

# 2018-2019

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## HIGH SCHOOL PLANNING GUIDE





CMS Parents, Family Members and Guardians,

Each day, thousands of CMS team members are privileged to help each one of our students make their unique dreams and aspirations real.

The High School Planning Guide has been designed to help you and your student explore options and find educational programs and services that build upon your student's own strengths and talents.

I strongly encourage you to talk with your student, review the information in this packet together, and to jointly make educational program choices that reflect both the wisdom of your experiences and the brightest hopes of your student.

As a community of educators and CMS professionals, we are on this journey with you. If you need help at any time throughout this planning process, please do not hesitate to speak with your most accessible principal, administrative team member or guidance counselor.

Together, we can create a plan for your student that builds the strongest possible foundation for their growth, development and educational success.

Thank you for choosing Charlotte-Mecklenburg Schools.

Respectfully,



Clayton M. Wilcox, Ed.D.  
Superintendent



# HIGH SCHOOL DIRECTORY

<b>ARDREY KELL</b> . . . . .	<b>980-343-0860</b>
<i>10220 Ardrey Kell Road</i>	
<b>PHILLIP O. BERRY ACADEMY OF TECHNOLOGY</b> . . .	<b>980-343-5992</b>
<i>1430 Alleghany Street</i>	
<b>BUTLER</b> . . . . .	<b>980-343-6300</b>
<i>1810 Matthews-Mint Hill Road, Matthews</i>	
<b>CATO MIDDLE COLLEGE</b> . . . . .	<b>980-343-1452</b>
<i>8120 Grier Road</i>	
<b>CHARLOTTE TEACHER EARLY COLLEGE</b> . . . . .	<b>704-687-8899</b>
<i>9201 University City Boulevard</i>	
<b>CHARLOTTE ENGINEERING EARLY COLLEGE</b> . . . .	<b>980-343-9898</b>
<i>9000 Robert Synder Road</i>	
<b>COCHRANE COLLEGIATE ACADEMY</b> . . . . .	<b>980-343-6460</b>
<i>6200 Starhaven Drive</i>	
<b>EAST MECKLENBURG</b> . . . . .	<b>980-343-6430</b>
<i>6800 Monroe Road</i>	
<b>eLEARNING ACADEMY</b> . . . . .	<b>980-343-3666</b>
<i>800 Everett Place</i>	
<b>GARINGER</b> . . . . .	<b>980-343-6450</b>
<i>1100 Eastway Drive</i>	
<b>HARDING UNIVERSITY</b> . . . . .	<b>980-343-6007</b>
<i>2001 Alleghany Street</i>	
<b>HARPER MIDDLE COLLEGE</b> . . . . .	<b>980-343-0012</b>
<i>315 West Hebron Street, Charlotte, NC 28273</i>	
<b>HAWTHORNE</b>	
<i>1411 Hawthorne Lane, Charlotte, NC 28205</i>	
<b>Health Sciences Academy</b> . . . . .	<b>980-343-6011</b>
<b>Military, Global Leadership, and Public Service Academy</b> . . . . .	<b>980-343-6011</b>
<b>HOPEWELL</b> . . . . .	<b>980-343-5988</b>
<i>11530 Beatties Ford Road</i>	
<b>WILLIAM A. HOUGH</b> . . . . .	<b>980-344-0514</b>
<i>12420 Bailey Road</i>	
<b>INDEPENDENCE</b> . . . . .	<b>980-343-6900</b>
<i>1967 Patriot Drive</i>	
<b>LEVINE MIDDLE COLLEGE</b> . . . . .	<b>980-343-9437</b>
<i>2728 Campus Ridge Road</i>	
<b>MALLARD CREEK</b> . . . . .	<b>980-343-1341</b>
<i>3825 Johnston Oehler Road</i>	
<b>MYERS PARK</b> . . . . .	<b>980-343-5800</b>
<i>2400 Colony Road</i>	
<b>NORTH MECKLENBURG</b> . . . . .	<b>980-343-3840</b>
<i>11201 Old Statesville Road, Huntersville</i>	
<b>NORTHWEST SCHOOL OF THE ARTS</b> . . . . .	<b>980-343-5500</b>
<i>1415 Beatties Ford Road</i>	
<b>OLYMPIC</b> . . . . .	<b>980-343-3800</b>
<i>4301 Sandy Porter Road</i>	
<b>School of Biotechnology, Health and Public Administration at OHS</b> . . . . .	<b>980-343-1110</b>
<b>School of International Business and Communications Studies at OHS</b> . . . . .	<b>980-343-1104</b>
<b>School of International Studies and Global Economics at OHS</b> . . . . .	<b>980-343-1113</b>



<b>Math, Engineering, Technology and Science at OHS</b> . . . . .	<b>980-343-1101</b>
<b>Renaissance School at OHS</b> . . . . .	<b>980-343-1107</b>
<b>PERFORMANCE LEARNING CENTER</b> . . . . .	<b>980-343-1118</b>
<i>2300 West Sugar Creek Road</i>	
<b>PROVIDENCE</b> . . . . .	<b>980-343-5390</b>
<i>1800 Pineville-Matthews Road</i>	
<b>ROCKY RIVER</b> . . . . .	<b>980-344-0409</b>
<i>10505 Clear Creek Commerce Drive</i>	
<b>SOUTH MECKLENBURG</b> . . . . .	<b>980-343-3600</b>
<i>8900 Park Road</i>	
<b>TURNING POINT ACADEMY</b> . . . . .	<b>980-343-5231</b>
<i>8701 Moores Chapel Road</i>	
<b>VANCE</b> . . . . .	<b>980-343-5284</b>
<i>7600 IBM Drive</i>	
<b>WEST CHARLOTTE</b> . . . . .	<b>980-343-6060</b>
<i>2219 Senior Drive</i>	
<b>WEST MECKLENBURG</b> . . . . .	<b>980-343-6080</b>
<i>7400 Tuckaseegee Road</i>	
<b>WILLIAMS SECONDARY MONTESSORI</b> . . . . .	<b>980-343-0040</b>
<i>2400 Carmine Street</i>	



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## 2018-2019 SCHOOL YEAR HIGH SCHOOL MAGNET ENTRANCE AND CONTINUATION REQUIREMENTS

### ENTRANCE REQUIREMENTS FOR MAGNET PROGRAMS

Entrance requirements exist for certain magnet programs. Students interested in applying to these magnet programs should meet the requirements for the grade levels indicated. Any designated entrance requirement must also be met before the sibling guarantee is applied.

Please note that the Occupational Course of Studies (OCS) curriculum is not offered at Phillip O. Berry, the Military and Global Leadership Academy at Marie G. Davis, and Northwest School of the Arts. Students in the OCS program cannot be scheduled for OCS courses at these schools.

### ACKNOWLEDGEMENT OF MAGNET PROGRAM ENTRANCE REQUIREMENTS

An acknowledgement of magnet program expectations, entrance, and continuation requirements are required in order to complete and submit an online magnet lottery application. Individuals submitting a Request for Reassignment/Transfer to a magnet program must acknowledge magnet program expectations and entrance and continuation requirements when they submit the online form, or the request cannot be processed.

### MAGNET THEME ENTRANCE REQUIREMENTS

- **INTERNATIONAL BACCALAUREATE (grades 9-12)** – Students entering high school must be promoted at the end of the school year in which the application is made. Students entering grade 9 and 10 must have scored at or above Level 3 in Reading on the 2015-2016 End of Grade testing. In order to enter the IB Program in grade 11, a student must meet the following prerequisites: English 9; English 10; Math 2; Environmental Science and/or Biology; Chemistry and/or Physics; World History; Civics and Economics; and level 3 of Language B (e.g., French, German, Latin or Spanish). Students entering in grade 11 must apply through the Reassignment/Transfer request and a transcript analysis must be completed by the prospective school. Only students currently enrolled in an IB Diploma Program will be accepted into grade 12.
- **NORTHWEST SCHOOL OF THE ARTS (grades 9-12)**– Students entering the program are required to pass an audition or, in the case of Visual Arts, a portfolio review prior to being placed in the lottery for vacant seats in the school. For audition information, click on the Prospective Students tab of the Northwest School of the Arts CMS pages, or visit [nwsa-auditions.weebly.com](http://nwsa-auditions.weebly.com).
- **STEM: SCIENCE, TECHNOLOGY, ENGINEERING & MATH (grades 9-12)** – Students entering grade 9 and 10 must apply during the lottery period. There is no requirement for entry. Students entering in grades 11 and 12 apply via the special Application Procedure and the Request for Reassignment/Transfer process including a transcript analysis completed by the prospective school.
- **WORLD LANGUAGES (grades 9-12)** – Students entering a World Language magnet at grades 9-10 must apply during the lottery period. There is no requirement for entry. All students entering grade 9 must have successfully completed the first level of a world language prior to attending, or, be willing to take both level 1 and level 2 of a world language in ninth grade. Students entering grade 10 must pass and receive credit for English I with a minimum grade of C and have completed the second level of a world language. Students entering in grades 11 and 12 apply via the Special Application Procedures and the Request for Reassignment/Transfer process including a transcript analysis completed by the prospective school.
- **Early College (grades 9-10)** – Charlotte Early Engineering College: Must be a rising 9th or 10th grader.
- **Middle Colleges** – Students must have a minimum 2.5 unweighted GPA and must submit proof of passing Accuplacer test scores (or scores of approved alternate tests: PSAT, SAT, Pre-ACT, or ACT) to the specific Middle College prior to the conclusion of the lottery. Upon submission of test scores, students must also complete the additional application materials. In the event a student does not meet the 2.5 GPA requirement the students may submit a faculty recommendation in support of the application.



### CONTINUATION REQUIREMENTS TO REMAIN IN A MAGNET PROGRAM

Once students are admitted into a magnet program in middle or high school, they are expected to participate in specific components, to enroll in required magnet courses and to pass the required courses. This section outlines the continuation requirements to remain in a magnet program.

### MAGNET CONTINUATION & SPECIFIC MAGNET COMPONENTS

There are specific magnet components required in certain magnet programs:

**INTERNATIONAL BACCALAUREATE** - promotion to the next grade level; performance of Community, Action and Service (CAS) requirements; Personal Project (grade 10). Students may opt to complete IB content certificates if they are not on track to complete the IB Diploma by the end of the 11th grade.

**MILITARY, GLOBAL LEADERSHIP, AND PUBLIC SAFETY** – participation in JROTC and /or Public Service Academy annually; pass associated course annually

**STEM / STEAM** - Pass STE(A)M course and Project Lead The Way course annually; participate in a STE(A)M co-curricular activity.

**WORLD LANGUAGES** - successful completion of two consecutive world languages courses each year.

### IMECK MAGNET PROGRAM ENTRANCE REQUIREMENTS

There are no entrance requirements for students entering grades 9-10. Students entering in grades 11 and 12 apply via the special Application Procedure and the Request for Reassignment/Transfer process including a transcript analysis completed by the prospective school.

### IMECK MAGNET PROGRAM CONTINUATION REQUIREMENTS

Students must successfully complete any internship requirements and leadership development requirements. Any student not successful in a blended learning class must meet with school administration and develop a plan for success and commit to succeeding in a blended learning environment.



## MINIMUM COURSE REQUIREMENTS FOR STUDENT CONTINUATION IN MAGNET PROGRAMS

### ONE COURSE PER YEAR:

Military & Global Leadership Academy  
Phillip O. Berry Academy of Technology - Career Academy CTE course  
South Mecklenburg, North Mecklenburg- Academy of International Languages (Grade 11) - World Languages course

### TWO COURSES PER YEAR:

Northwest School of the Arts (Grades 9 & 10)  
South Mecklenburg, North Mecklenburg Academy of International Languages (Grades 9, 10 & 12) - World Languages course

### THREE COURSES PER YEAR:

East Mecklenburg, Harding, Myers Park, North Mecklenburg, West Charlotte - IBMYP (Grades 9-10)\*, Northwest School of the Arts (Grades 11 & 12)

### IB MIDDLE YEARS PROGRAM (IBMYP)

#### COURSE REQUIREMENTS OVER GRADES 9 & 10

IBMYP magnet students take MYP designated courses including: English, Math, Science, Humanities, World Language (Language B), Arts and Physical Education. To continue in the IB program, high school IBMYP students are required to: 1) progressively schedule their MYP course work in order to meet grade 11 prerequisite course entry criteria; 2) take a full MYP course load and pass at least three MYP courses each year; and, 3) be promoted to the next grade. In addition, tenth graders must complete the Personal Project.

### IB DIPLOMA PROGRAM COURSE

#### REQUIREMENTS OVER GRADES 11 & 12

East Mecklenburg, Harding, Myers Park, North Mecklenburg, and West Charlotte IB Program students must complete course work that will qualify them for the IB Diploma. Students earning the IB Diploma must successfully complete courses and examinations in six courses from five subject groups, concurrently over two years, as well as the core elements of the program (*Theory of Knowledge, the extended essay, and Creativity, Action, Service hours*). An IB Diploma candidate must successfully complete six IB courses and exams (*three or four courses at Higher Level*) and the Theory of Knowledge course.

*\*There are entry requirements for the IB Middle Years Program (IBMYP), the IB Diploma program preparatory courses offered in middle school grades 6-8 and in high school grades 9 and 10. In order to continue to the IB Diploma program in eleventh grade, a student must progressively schedule coursework so that specific course requirements are met prior to the eleventh grade. Prerequisite courses for the IB Diploma program (grades 11 & 12) are as follows: English 9; English 10; Math I; Math II; Earth/Environmental Science and/or Biology; Chemistry and/or Physics; World History; Civics and Economics; and Level 3 of Language B (e.g., French, German, or Spanish). Rising eleventh grade students who apply for the IB magnet program must be able to meet these requirements in order to submit an application and must meet the requirements prior to enrollment in the program. (CMS Regulation JCA-R)*

## '17-'18 HIGH SCHOOL MAGNET PROGRAM OFFERINGS

### eLEARNING ACADEMY *Learning any time, anywhere, any path.*

The mission of eLearning Academy is to transcend the traditional learning environment by providing flexibility, personalization and relationships that prepare students for 21st century citizenship. The eLearning Academy is a virtual high school offering students in grades 9-12 the option to complete all coursework from home or in a blended environment at a designated school location. The eLearning Academy is designed to allow maximum personalization for students in need of a more flexible school experience. There are minimal direct-to-family expenses associated with participation. Occasionally families are expected to purchase materials or supplies required for a class, for example, a headset with a microphone. A successful online student is self-motivated, organized; self-disciplined, comfortable with technology, has strong time management and communication skills. Students are expected to work independently and communicate with their teacher regularly. For more information, families should contact the **eLearning Academy at 980-343-3666**. In addition to the eLearning Academy, the full catalog on online courses for students in grades 6-12 is available to all students at their home school. Students wishing to take online courses and remain at their home school may do so with school approval. Students are required to report to the eLearning Academy campus for state and district exams.

### iMeck Academy

iMeck Academy is based on three pillars of career and college preparedness: blended learning, work based learning, and leadership development. Blended Learning is a formal approach to education in which a student learns at least in part through online delivery of content, with some element of student control over time, place, path and/or pace. Students benefit from both online learning and face-to-face instruction in each of their courses within a technology rich environment. Students are introduced to various career options, have the opportunity to network with business leaders and gain real-life experience through internship opportunities.

### INTERNATIONAL BACCALAUREATE (9-12)

The International Baccalaureate Program provides highly motivated college-bound students with an opportunity to pursue a rigorous liberal arts curriculum. The IB Middle Years Program (IBMYP) is a 6-10 grade continuum that is authorized by the International Baccalaureate Organization (IBO). The IBMYP focuses on world language, humanities, advanced math and an intensive study of core subjects integrating internationalism and areas of interaction. Students demonstrate a strong commitment to learning, both in terms of mastery of the subject content and in the development of the skills and discipline necessary for success in the IB program in grades 11 and 12 where international exams begin. The IB Diploma is awarded by the IBO to students who successfully complete the course requirements, sit for the exams and obtain the requisite scores, complete a course of study in the Theory of Knowledge (TOK), present an Extended Essay reflecting the student's independent research and analysis in one of the six subject areas studied, and complete an aesthetic, physical, or social service project. School counselors and/or IB coordinators can assist students with registration for the IB program once admitted. There are entrance requirements for this magnet program. *Offered at East Mecklenburg, Harding, Myers Park, North Mecklenburg and West Charlotte High Schools*

### MILITARY, GLOBAL LEADERSHIP, AND PUBLIC SAFETY ACADEMY AT HAWTHORNE (9-12)

The Military, Global Leadership, and Public Safety Academy provides a rigorous, traditional academic learning environment for students. The program is NOT a boot camp but is designed to develop students' problem solving, creative and critical thinking skills. Students in this program are instilled with a sense of responsibility through character development and community service. They develop an understanding of world languages, geography, politics, and economics to gain a global perspective and to become better prepared to understand and choose post-secondary educational opportunities. There are entrance requirements for this magnet program.

### NORTHWEST SCHOOL OF THE ARTS (9-12)

Nationally and internationally known for excellence in academics and the arts, NWSA allows students to refine artistic skills in one or two arts areas (dance, choral music, instrumental music, theatre, technical theatre/costuming, or visual arts). Students receive practical, real world arts experiences from a professional arts faculty, through interaction with the local arts community and visiting artists, and via performance and exhibition opportunities at public venues. Standard, honors, and a variety of AP courses are offered, with several AP classes in the arts. The school exemplifies the fact that academic excellence stems from learning that is embedded in the arts.

### SECONDARY MONTESSORI

The Secondary Montessori program aims to prepare students not only for post-secondary education, but for all of life, by equipping them with a compassionate global perspective and a deep understanding for the core values of commitment, community, initiative, compassion and responsibility. This type of holistic education is one that guides students on the path to becoming confident and capable humans, able to adapt to anything life presents. Students are engaged in vigorous academic work, both independent as well as cooperative. It challenges them to work with grace and courtesy in community, and to practice self-evaluation as a way to reflect on academic as well as personal growth.



#### **STEM AT PHILLIP O. BERRY ACADEMY OF TECHNOLOGY (9-12)**

Phillip O. Berry Academy is a comprehensive, district-wide magnet high school offering an accelerated core academic curriculum in STEM (Science, Technology, Engineering, and Math), as well as relevant technical offerings specific to Academic Career Pathways found in three academy clusters: the Academy of Engineering, Academy of Information Technology, and the Academy of Health Science. More than 15 career and technical education courses are offered within the three Career Academies. Teachers at Phillip O. Berry Academy of Technology facilitate and differentiate instruction to address the learning styles of all students within a school culture that values and honors all students. The school's mission is to provide an education centered on a rigorous and relevant curriculum with focused human relations between students, parents, staff and the community. Complementing the rigorous and relevant academic and technical curriculums are a comprehensive athletic program, and student clubs and activities, as well as electives in Spanish, French, Fine Arts, Band, and Orchestra.

#### **STEM AT HAWTHORNE (9-12)**

The Academy of Health Sciences at Hawthorne is a Cooperative Innovative High School in partnership with Central Piedmont Community College (CPC) focused on the Life and Health Sciences careers serving students in grades 9 – 12. Students will have the opportunity participate in coursework that prepares them to pursue careers in medicine, nursing, clinical research, sports medicine, physical therapy, and related fields. In addition, students will participate in career development activities such as job shadowing and internships. All course work will be honors, Advanced Placement and/or community college level courses. Rising 9th and 10th grade students are eligible to apply for admission to the HAHS. Students enrolled in the Hawthorne Academy of Health Sciences will take courses required for high school graduation and college courses leading towards a post-secondary certificate, college transfer, associate's degree, and/or industry certification. All CPC college courses are provided at no charge to HAHS students. There are entrance requirements for this magnet program.

#### **WORLD LANGUAGES (9-12)**

Students of the 21st century will need to be proficient in more than one language in order to become contributing members of our global society. The vision of the World Languages program is to provide experiences for students to meet this challenge by offering rigorous cognitive challenges in their target language and unique, enriching, real-life experiences and applications in business, cultural and social settings. There are entrance requirements for this magnet program. Offered at South Mecklenburg and North Mecklenburg.

#### **EARLY COLLEGES**

Charlotte Early Educators College - a joint venture between Charlotte Mecklenburg Schools (CMS) and UNC Charlotte College of Education to establish the UNC Charlotte Teachers College. The school will contribute to a re-imagined approach to teacher preparation and greatly expand the pool of highly qualified teacher candidates. The early college will prepare aspiring teachers in an immersive, highly engaged environment that emphasizes new instructional approaches designed to meet the diverse needs of high school students. A compacted and accelerated curricula will begin during high school (grades 11 & 12) and will include early access to college courses that reinforce a strong clinically-based experience.

#### **MIDDLE COLLEGES (11-13)**

In partnership with Central Piedmont Community College (CPC), CMS offers accelerated learning opportunities that provide students the opportunity to take college courses while completing their high school graduation requirements. Students can complete an associate degree or earn up to two years of transferable college credit, tuition free. Given the rigor of completing both the high school diploma and the associates degree or two years of college credit, students have an additional year (i.e., grade 13) to graduate. Middle College High Schools (MCHS) are located on the Cato, Levine, and Harper campuses of CPC. The program serves high school students in grades 11-13 and admits 100 students per campus each year. Students enrolled in a MCHS will take courses required for high school graduation while also taking college courses towards a post-secondary certificate, college transfer, associate's degree, and/or industry certification.

Students on the Cato and Levine campuses can choose from a variety of college level courses providing transfer credit. Students on the Harper campus can follow a specialized program of study leading to an industry certification or associate's degree in one of the following areas: Advertising and Graphic Design, Air Conditioning, Heating and Refrigeration, Welding Technology, Construction Management, Electrical Systems Technology, Flexography, Graphic Arts & Imaging Technology, Non-Destructive Examination.

## NC ACADEMIC SCHOLARS PROGRAM

The following plan is effective for students who enter the ninth grade for the first time on or after August 2012.

Credits	The following designated number of credits per subject listed below must be taken in grades 9-12.
4	English Language Arts I, II, III, IV
4	(NC Math 1, 2, 3 and a higher level mathematics course with NC Math 3 as prerequisite)
3	Science (a Physics or Chemistry course, Biology, and an Earth/Environmental Science course)
4	Social Studies (World History, Civics/Economics, and American History I: The Founding Principles and American History II)
2	Two (2) credits in a second language required for the UNC System.
1	Health/Physical Education
4	Four elective credits constituting a concentration recommended from one of the following: Career and Technical Institute, JROTC, Arts Education, Second Languages, any other subject area * one course being a level II course in the Career Cluster
3	Higher level courses taken during junior and/or senior years which carry five or six quality points such as: - AP - IB - Dual or college equivalent course - Advanced CTE/CTE credentialing courses - On-line courses - Other honors or above designated courses
<b>OR</b>	
2	Higher level courses taken during junior and/or senior years which carry five or six quality points such as: - AP - IB - Dual or college equivalent course - Advanced CTE/CTE credentialing courses - On-line courses - Other honors or above designated courses AND Completion of The North Carolina Graduation Project
25 or 24 + NCGP	Note: Adopted by the State Board of Education in July 2009. The above is the single plan applicable to students who enter the ninth grade for the first time in or after 2012-2014.

### STUDENTS MUST:

- Begin planning for the program before entering grade 9 to ensure they obtain the most flexibility in their courses.
- Complete all the requirements of this North Carolina Academic Scholars Program.
- Have an overall four-year unweighted grade point average of 3.5.
- Complete all requirements for a North Carolina high school diploma.



## AP® SCHOLARS AWARDS PROGRAMS

Each year, the College Board recognizes high school students who have demonstrated college-level achievement through Advanced Placement courses and exams. Recipients receive an award certificate and notation is made on AP Grade Reports sent to colleges the following fall. (Students do not receive any monetary award from the College Board.)

### AP SCHOLAR

Awarded to students who receive grades of 3 or higher on 3 or more AP exams.

### AP SCHOLAR WITH HONOR

Awarded to students who receive an average grade of at least 3.25 on all AP Exams taken, and grades of 3 or higher on four or more of these exams.

### AP SCHOLAR WITH DISTINCTION

Awarded to students who receive an average grade of at least 3.5 on all AP Exams taken, and grades of 3 or higher on five or more of these exams.

### AP STATE SCHOLAR

Awarded to the one male and one female student in each U.S. state and the District of Columbia with grades of 3 or higher on the greatest number of AP exams, and then the highest average score (at least 3.5) on all AP Exams taken.

### NATIONAL AP SCHOLAR

Awarded to students in the U.S. who receive an average grade of at least 4 on all AP Exams taken, and grades of 4 or higher on eight or more of these exams.

## APID - ADVANCED PLACEMENT INTERNATIONAL DIPLOMA

### APID CRITERIA

- One AP Exam designated as offering a global perspective.
- One exam from the sciences or mathematics content area.
- One or two additional exams from any content area except English and world languages.

For additional information on APID, go to <http://international.collegeboard.org/programs/apid>

## AP + PROJECT LEAD THE WAY STUDENT RECOGNITION

Students can now earn an AP + PLTW student recognition. Students who complete selected AP and PLTW courses related to the fields of engineering, biomedical science, and computer science (and earn qualifying scores on course-related exams and assessments). This recognition shows colleges and employers that you're prepared for advanced course work — and interested in careers in the field you're studying.

### AP+PLTW RECOGNITION CRITERIA:

- Combination of THREE approved AP + PLTW Courses (1 AP + 2 PLTW OR 2 AP + 1 PLTW in an approved pathway)
- Earn a score of 3 or higher on the AP Exam(s) and a score of Proficient or higher on the PLTW End of Course (EoC) assessment(s)

## ADVANCED PLACEMENT RECOMMENDATIONS FOR NINTH AND TENTH GRADE STUDENTS

Ninth and tenth grade students who are prepared for the challenge, rigor, and intensity of Advanced Placement (AP) courses can and should register for these classes. In fact, by taking an AP course in their ninth or tenth grade years, students are given an early opportunity to experience this level of work. Therefore, when they are able to register for multiple AP classes, they will have a better understanding of the expectations and work load in an Advanced Placement class. Because of the North Carolina Standard Course of Study as well as state requirements for each grade level, courses that these students may select are limited. Students and parents should work with their school counselor to determine the Advanced Placement opportunities available to them.

**CHARLOTTE-MECKLENBURG SCHOLARS**

Effective for students entering 9th grade in 2005 and after. A total number of 30 credits is required:

Credits	Coursev
4	English I, II, III, IV
4	Science (must include one second level science or one AP/IB level or one college-level science course)
4	Mathematics (must include one math course for which NC Math 3 is a prerequisite)
4	World Language (four levels of one language or two levels of two different languages)
4	Social Studies (Civics/Economics, American History I: The Founding Principles, World History, and one second level or one AP/IB or one college-level social studies course)
1	Health/Physical Education
1	Arts Education
8	Electives
<b>An overall unweighted GPA of 3.5 is required (at end of 1st semester of 12th grade)</b>	

**ADVANCED PLACEMENT COURSES EXPECTATIONS AND STUDENT INVENTORY**

Congratulations for considering the challenges and opportunities that Advanced Placement (AP) courses offer. Research has shown that students who participate in AP courses outperform others in college, particularly in grades and graduation rates. CMS believes that all children deserve access to the rigor of advanced coursework and can be successful with the appropriate support. The purpose of this document is to better prepare students and parents for AP courses. We want to provide our students and parents with information to aid them in determining what AP classes and how many AP classes a student should consider. If you would like further information about the Advanced Placement program, please contact your child's counselor or the **Talent Development/Advanced Studies/AVID department at 980-343-6955**.

**When making a decision about taking AP courses, students should consider the following questions:**

1. How do you work independently?
2. How will you manage the increased homework (1-2 hours per night per AP course) and expectations of AP courses?
3. How diligently are you willing to work to be successful in the course?
4. Speak to the teacher of the course - what are the specific expectations of that teacher/that course?
5. What kinds of support do you feel you need to be successful in an AP course (i.e. tutoring, writing preparation, reading preparation, study skills)? How will you develop that support?
6. What is your understanding of the significance of the AP exam at the end of the year? How will you benefit from studying for the exam and striving to do your best?

**EXPECTATIONS OF AP COURSES**

1. Intense reading and writing assignments
2. Additional research and study necessary to analyze all the material covered in the course
3. Student's desire and ability to work independently and push him/herself academically and intellectually
4. Engagement in the study of subject matter beyond just learning facts - in-depth analysis and synthesis of material
5. Requirement that students take the AP test at the end of the year with the expectation the exam will be taken seriously
6. There are specific subject area/individual course expectations.

**AP STUDENTS MUST:**

**ART HISTORY** – Learn to critically analyze works of art within diverse historical and cultural contexts, considering issues such as politics, religion, patronage, gender, and ethnicity; explore architecture, sculpture, painting and other media from across a variety of cultures; articulate visual and art historical concepts in verbal and written form; investigating and evaluate works of art through observation, discussion, reading and research.

**STUDIO ARTS** – Demonstrate mastery of 2-D, 3-D or Drawing design principles through the development of a portfolio that is personal to your individual talents and interests; explore your creativity and be an informed, independent, critical decision maker; see art from more than one perspective, accept critique from others, and take creative ideas to fruition; Portfolios are evaluated at the end of the course.

**MUSIC THEORY** – develops musical skills and builds understanding of music composition and theory through listening, analysis, and analytical exercises.

**COMPUTER SCIENCE** – demonstrates a working knowledge of computer programming

**ENGLISH** – reads and responds to works of fiction and non-fiction analytically and critically; develops a writing voice with an understanding of audience and purpose; reads and analyzes texts from various genres

**GLOBAL STUDIES** – constructs a logical historical argument; reads, analyzes, and interprets primary resources; develops a historical perspective in both written and verbal format; understands and explains the reasons for different points of view

**MATH** – problem-solves; demonstrates abstract and analytical reasoning; uses logic, inductive, and deductive reasoning to draw conclusions and solve problems; translates among graphic, Mathic, numeric, tabular, and verbal representations of functions and relations

**SCIENCES** – demonstrates an analytical approach to material; designs and conducts scientific investigations and produces high level lab reports

**WORLD LANGUAGES** – demonstrates intensive development of the target language; understands and can interpret the spoken and written language; demonstrates an understanding and appreciation of other perspectives and cultures



## IB MIDDLE YEARS PROGRAM

The IB Middle Years Program is offered at East Mecklenburg High School, Harding University High School, Myers Park High School, and North Mecklenburg High School. West Charlotte High School is implementing MYP as a candidate school.

MYP works with the framework of the North Carolina Standard Course of Study, and MYP teachers create units which combine NC required objectives with IB contexts and concepts.

While the MYP is a stand-alone program, it can also prepare students to enter the IB Diploma Program in grade 11. To enter the DP, students must have completed at least three levels of math and at least three levels of world language, along with other typical course requirements for 9th and 10th graders. Below are some typical course progressions for students in high school MYP; individual student schedules may vary based on their needs and schools' offerings.

### HIGH SCHOOL REGISTRATION NOTES FOR IBMYP GRADE 9

#### SITUATION 1: ONE MATH, ONE WORLD LANGUAGE

- IBMYP English 9
- IBMYP World History
- IBMYP Earth/Environmental Science (optional)
- IBMYP Biology
- IBMYP Math I or IBMYP Math II or IBMYP Math III (depending on last math class)
- IBMYP World Language 1 or 2 (offerings vary by school)
- IBMYP Health/PE
- One (or two) elective(s)

#### SITUATION 2: ONE MATH, TWO WORLD LANGUAGE LEVELS

*(for students who have not had level 1 of world language in middle school)*

- IBMYP English 9
- IBMYP World History
- IBMYP Earth/Environmental Science (optional)
- IBMYP Biology
- IBMYP Math I or IBMYP Math II or IBMYP Math III (depending on last math class)
- IBMYP World Language 1 (offerings vary by school)
- IBMYP World Language 2 (offerings vary by school)
- IBMYP Health/PE

#### SITUATION 3: TWO MATHS, ONE WORLD LANGUAGE

- IBMYP English 9
- IBMYP World History
- IBMYP Earth/Environmental Science (optional)
- IBMYP Biology
- Foundations of Math I/Math I
- IBMYP World Language 1 or 2 (offerings vary by school)
- IBMYP Health/PE

### HIGH SCHOOL REGISTRATION NOTES FOR IBMYP GRADE 10

#### SITUATION 1: MATH III, ONE WORLD LANGUAGE

- IBMYP English 10
- IBMYP Civics & Economics
- IBMYP Math III (Honors or Standard) or AFM or IB Math SL 1 (depending on last math class)
- IBMYP Chemistry 1 and/or IBMYP Physics 1
- IBMYP World Language 3 (offerings vary by school)

#### At least one of the following classes strongly suggested:

- Arts Class (IBMYP Drama, IBMYP Visual Arts, Crafts, Band, Chorus or Orchestra) OR
- PLTW Introduction to Engineering Design or other Design class
- One elective

#### SITUATION 2: MATH III, TWO WORLD LANGUAGE LEVELS

- IBMYP English 10
- IBMYP Civics & Economics
- IBMYP Math III (Honors or Standard) or AFM or IB Math SL 1 (depending on last math class)
- IBMYP Chemistry 1 and/or IBMYP Physics 1
- IBMYP World Language 2 (offerings vary by school)
- IBMYP World Language 3 (offerings vary by school)

#### At least one of the following classes strongly suggested:

- Arts Class (visual or performing, depending on school offerings) OR
- Design class (offerings vary by school)
- One elective

#### SITUATION 3: MATH II AND MATH III, ONE WORLD LANGUAGE

- IBMYP English 10
- IBMYP Civics & Economics
- IBMYP Math II
- IBMYP Math III
- IBMYP Chemistry 1 and/or IBMYP Physics 1
- IBMYP World Language 3 (offerings vary by school)

#### At least one of the following classes strongly suggested:

- Arts Class (visual or performing, depending on school offerings) OR
- Design class (offerings vary by school)
- One additional elective

#### SITUATION 4: MATH II AND MATH III, TWO WORLD LANGUAGE LEVELS

- IBMYP English 10
- IBMYP Civics & Economics
- IBMYP Math II
- IBMYP Math III
- IBMYP Chemistry 1 or IBMYP Physics 1
- IBMYP World Language 2 (offerings vary by school)
- IBMYP World Language 3 (offerings vary by school)

#### One Elective- one of the following classes strongly suggested:

- Arts Class (visual or performing, depending on school offerings) OR
- Design class (offerings vary by school)

## IB DIPLOMA PROGRAM

The IB Diploma Program spans grades 11 and 12 at East Mecklenburg High School, Harding University High School, Myers Park High School, North Mecklenburg High School, and West Charlotte High School.

### IB DIPLOMA PROGRAM COURSE REQUIREMENTS

The IB Diploma Program spans grades 11 and 12, and requires the courses listed below; course descriptions begin on page 3.

#### GRADE 11:

- IB English Literature HL I OR IB English Language & Literature HL I
- IB World Language SL I or World Language HL I (or World Language SL II if World Language SL I is taken in grade 10)
- IB History of the Americas HL I
- IB Math SL I OR IB Math Studies I or IB Math HL I (or IB Math SL II if IB Math SL I taken in grade 10)
- IB Science SL I or IB Science HL I
- IB Theory of Knowledge I
- IB Sixth Subject I\*

#### GRADE 12:

- IB English Literature HL II OR IB English Language & Literature HL II
- IB World Language SL II or World Language HL II
- IB History of the Americas HL II
- IB Math SL II OR IB Math Studies II (or IB Math SL II if IB Math SL I taken in grade 10) or IB Math HL II
- IB Science SL II or IB Science HL II
- IB Theory of Knowledge II
- IB Sixth Subject II (if applicable)\*

\*The IB 6th Subject can be a second social studies course (such as IB Business or IB Psychology), a second science, or an IB Visual Arts or IB Theatre class, depending on school's course offerings.

### IB ASSESSMENT

All IB courses are assessed by IB, mostly via exams taken in May of the junior or senior year. At most two exams may be taken in May of junior year, usually from a one-year Sixth Subject course such as Philosophy or Psychology. (Any additional exams taken during junior year cannot count towards the IB Diploma.) All IB courses have an internal assessment component, which contributes to the overall IB exam score, and may involve a paper or project completed during the course. IB exam scores range from 1 (lowest) to 7 (highest). Theory of Knowledge and the Extended Essay are scored A (excellent) through E (elementary).

### IB EXAM REQUIREMENTS

To be eligible for an IB Diploma, the following exam registration requirements must be met:

- Students must be in grades 11 or 12 to take an IB exam.
- At least three exams must be taken at higher level (HL).
- No more than four exams may be taken at HL to count towards the IB Diploma.
- At least two exams must be taken at standard level (SL).
- Students in grade 11 can take at most 2 exams, and NO HL exams can be taken in grade 11.
- Students in grade 11 can take only SL exams; all HL exams must be taken in grade 12.

## IB DIPLOMA REQUIREMENTS

Requirements below are directly quoted from the IB Diploma Program Regulations, p. 9; annotations are provided in brackets and italics.

The IB Diploma will be awarded to a candidate provided all the following requirements have been met.

- a. CAS [Creativity, Activity, Service] requirements have been met
- b. The candidate's total points are 24 or more.
- c. There is no "N" awarded for theory of knowledge, the extended essay or for a contributing subject. [N stands for "non-scoreable" and generally means that some component of the exam was not completed, such as internal assessment.]
- d. There is no grade E awarded for theory of knowledge and/or the extended essay. [E stands for elementary and is the lowest possible grade for theory of knowledge and the extended essay.]
- e. There is no grade 1 awarded in a subject/level.
- f. There are no more than two grade 2s awarded (HL or SL).
- g. There are no more than three grade 3s or below awarded (HL or SL).
- h. The candidate has gained 12 points or more on HL subjects (for candidates who register for four HL subjects, the three highest grades count).
- i. The candidate has gained 9 points or more on SL subjects (candidates who register for two SL subjects must gain at least 5 points at SL).
- j. The candidate has not received a penalty for academic misconduct from the Final Award Committee. [Academic misconduct refers to such actions as plagiarism, cheating, or submission of the same work for two different assignments.]

IB results are reported in July of the year in which exams are taken. Students are given unique login information for checking their scores; scores are NOT sent directly to students via email or postal service.

All students—whether or not they earn an IB Diploma—are granted a certificate of results from IB. IB certificates and Diplomas are sent to the schools in late August or early September of the year in which exams are taken.

### IB CREATIVITY, ACTIVITY, AND SERVICE (CAS)

One of the core requirements of the IB Diploma Program is Creativity, Activity, and Service (CAS). One goal of IB is to develop a well-rounded child, and CAS is an integral part of this goal. During junior and senior year, students are expected to complete CAS experiences that are roughly balanced between the three strands:

Creativity—exploring and extended ideas leading to an original or interpretive product or performance

Activity—physical exertion contributing to a healthy lifestyle

Service—collaborate and reciprocal engagement with the community in response to an authentic need

(From IB's Creativity, activity, service guide)

Students are expected to maintain a CAS portfolio, summarizing their activities and documenting that they meeting one or more of the following learning outcomes (from IB's *Creativity, Activity, Service Guide*):

- Identify your own strengths and areas for growth
- Demonstrate that challenges have been undertaken, developing new skills in the process
- Demonstrate how to initiate and plan a CAS experience.
- Show commitment to and perseverance in CAS experiences.
- Demonstrate the skills and recognize the benefits of working collaboratively.
- Demonstrate engagement with issues of global significance.
- Recognize and consider the ethics of choice and actions.

In addition, students must complete a CAS project which requires them to take a leadership and decision-making role. The CAS project should last at least one month and may be collaborative.

Students have completed CAS when they have met all the learning outcomes; maintained a reasonable balance between creativity, activity, and service; and completed their CAS projects.



## GROUP 2: LANGUAGE ACQUISITION

### IB LATIN SL I & II | IB LATIN HL I & II

Students studying Latin focus on reading and translating classical texts while learning about classical cultures and their impact. Translation requirements focus on understanding literary aspects of the texts being studied as well as the contexts of the writing.

*Prerequisites: Latin levels 1, 2, and 3.*

Offered at East Mecklenburg High School, Myers Park High School

### IB WORLD LANGUAGES SL I & II | IB WORLD LANGUAGES HL I & II

IB World Language studies at the Diploma Level require students to read, write, and speak in the target language while exploring cultures related to the language. Students engage in discussion with classmates and their teacher, read and respond to texts, and describe and analyze photographs representing cultural images. Students in HL language classes read short pieces of literature in the target language, and they are required to write longer responses to prompts.

*Prerequisites: World Language levels 1, 2, and 3.*

**Spanish and French** offered at East Mecklenburg High School, Harding University High School, Myers Park High School, North Mecklenburg High School, West Charlotte High School; **Chinese and German** offered at East Mecklenburg High School, North Mecklenburg High School; **Japanese** offered at North Mecklenburg High School

## GROUP 3: INDIVIDUALS AND SOCIETIES

### IB BUSINESS MANAGEMENT SL | IB BUSINESS MANAGEMENT HL I & II

Students in Business Management analyze business structures, including management models, and decision-making procedures. All aspects of running a business are considered, including accounting practices, human resources management, and marketing.

Offered at East Mecklenburg High School, Myers Park High School, North Mecklenburg High School

### IB ECONOMICS SL | IB ECONOMICS HL I & II

IB Economics focuses on both microeconomics (how economic variables affect individuals and businesses) and macroeconomics (affecting governments and societies) with an emphasis on real-world issues and applications.

Offered at Myers Park High School

### IB GLOBAL POLITICS SL I & II | IB GLOBAL POLITICS HL I & II

IB Global Politics focuses on political theory and how it affects real-world governments and societies. Students in the course explore political concepts, including power, equality, sustainability, and peace, in the context of case studies and current world events.

*Prerequisites: World History, American History: Founding Principles, Civics & Economics*  
Offered at East Mecklenburg High School

### IB HISTORY OF THE AMERICAS HL I & II

IB History focuses on historical events in the world from multiple perspectives and contexts, with a particular emphasis on history of North, Central, and South America. The course approaches history thematically, considering such concepts as national revolutions, civil rights movements, and rise of dictatorships. The course, taught over two years, satisfies the North Carolina graduation requirement for American History.

*Prerequisites: World History, American History: Founding Principles, Civics & Economics*  
Offered at East Mecklenburg High School, Harding University High School, Myers Park High School, North Mecklenburg High School, West Charlotte High School

### IB PHILOSOPHY SL | IB PHILOSOPHY HL I & II

Students in IB Philosophy consider age-old questions such as "What is it to be human?"; aided by the study of philosophical tools such as critical thinking, analysis, and argumentation. The course strives to help students identify philosophies in the world around them.

Offered at East Mecklenburg High School, Myers Park High School, West Charlotte High School

### IB PSYCHOLOGY SL | IB PSYCHOLOGY HL I & II

IB Psychology focuses on the study of human behavior, including biological, cognitive, and sociocultural influences. Psychological research, both in case studies and in practice, plays a central role in the course.

Offered at East Mecklenburg High School, Myers Park High School, North Mecklenburg High School

## IB DIPLOMA COURSE DESCRIPTIONS

Below are descriptions of IB courses currently offered in CMS. Descriptions are taken from official IB course guides. Additional information can be found at <http://www.ibo.org/programmes/diploma-programme/curriculum/>.

### GROUP 1: STUDIES IN LANGUAGE & LITERATURE

#### IB ENGLISH LANGUAGE & LITERATURE HL I & II

IB English Language and Literature is based on the study of literature, including a variety of styles, genres, and periods. In addition, the course focuses on how culture, context, and language interact in texts as well as the audience and purpose of a particular work. The course, taught over two years, meets North Carolina graduation requirements for English III and English IV.  
*Prerequisites: English I & English II*

Offered at Harding University High School, West Charlotte High School

#### IB ENGLISH LITERATURE HL I & II

IB English Literature focuses on the study of literature, with a focus on a variety of styles, cultures, genres, and contexts. In addition, the course introduces students to literary criticism, including the creation of student-generated literary judgements. Students in IB English Literature study a minimum of 13 literary works over the two years of the course. The course, taught over two years, meets North Carolina graduation requirements for English III and English IV.  
*Prerequisites: English I & English II*

Offered at East Mecklenburg High School, Myers Park High School, North Mecklenburg High School

**GROUP 4: SCIENCES****IB BIOLOGY SL I & II | IB BIOLOGY HL I & II**

Biology is the study of life, from a molecular level through human physiology. The IB Biology course includes the study of biochemistry, cell biology, genetics, classification, evolution, ecology, and human anatomy and physiology. There is an emphasis on lab techniques and exploration.

*Prerequisites: Biology I*

**Biology SL** is offered at East Mecklenburg High School, North Mecklenburg High School, West Charlotte High School; **Biology HL** is offered at East Mecklenburg High School, Harding University High School, Myers Park High School, North Mecklenburg High School

**IB CHEMISTRY SL I & II | IB CHEMISTRY HL I & II**

The IB Chemistry course includes the study of atomic structures, chemical bondings, acids and bases, and organic chemistry. Lab procedures are a central focus of the course, including the study of measurement and data processing.

*Prerequisites: Biology I, Chemistry I*

**Chemistry SL** is offered at East Mecklenburg High School, North Mecklenburg High School; **Chemistry HL** is offered at East Mecklenburg High School, Myers Park High School, North Mecklenburg High School

**IB ENVIRONMENTAL SYSTEMS & SOCIETIES SL**

IB Environmental Systems and Societies combines the scientific analysis of the natural environment with the study of the impact of human systems on that same environment. The course considers both influences within the natural world and outside influences arising from economic and political decisions made in human societies.

Offered at East Mecklenburg High School, Myers Park High School, North Mecklenburg High School, West Charlotte High School

**IB PHYSICS SL I & II | IB PHYSICS HL I & II**

IB Physics includes concepts ranging from the basics of motion and mechanics through electricity and magnetism to nuclear and particle physics. As a lab science, investigation and the importance of appropriate measurement are fundamental to the course.

*Prerequisites: Biology I, Physics I*

Physics SL is offered at East Mecklenburg High School, North Mecklenburg High School; Physics HL is offered at East Mecklenburg High School, Myers Park High School, North Mecklenburg High School

**IB SPORTS & EXERCISE SCIENCE SL I & II**

IB Sports and Exercise Science is an applied lab science, in which the principles of experimentation are applied to human physiology in the context of sports and exercise. The course includes study of anatomy, psychology, and nutrition.

Offered at North Mecklenburg High School

**GROUP 5: MATHEMATICS****IB MATH STUDIES SL I & II**

The Math Studies curriculum is focused on advanced algebra and advanced geometry topics along with a significant emphasis on statistics. The course, taught over two years, satisfies math requirements for high school graduation (2 units beyond Math III).

*Prerequisites: Math I, Math II, and Math III*

Offered at East Mecklenburg High School, Harding University High School, Myers Park High School, North Mecklenburg High School, West Charlotte High School

**IB MATH SL I & II**

The Math SL curriculum covers concepts from precalculus and calculus, with some statistics taught as well. The course, taught over two years, satisfies math requirements for high school graduation (2 units beyond Math III).

*Prerequisites: Math I, Math II Honors/MYP, Math III Honors/MYP*

Offered at East Mecklenburg High School, Harding University High School, Myers Park High School, North Mecklenburg High School

**IB MATH HL**

Math HL includes all the concepts from Math SL (see description above) with additional work in vectors, statistics, and calculus (equivalent to the second semester of college calculus). The course may be taught over one year, following two years of Math SL, or taught over two years.

*Prerequisites: Math I, Math II Honors, Math III Honors, either Math SL I & II or AP Calculus AB/BC*

Offered at Myers Park High School

**GROUP 6: ARTS****IB FILM SL I & II | IB FILM HL I & II**

IB Film focuses on both analysis and creation of film. Students view films from various perspectives, including historical and cultural viewpoints, and consider technical aspects of film-making. Students then apply insights gained from the study of films to creation of their own short films, both individually and in a group setting.

Offered at Myers Park High School

**IB THEATRE SL I & II | IB THEATRE HL I & II**

Throughout the two-year IB Theatre course, students will learn a variety of careers in theatre. They will create a directing portfolio, exploring all the responsibilities of a director. After researching a variety of theatre theorists and styles, students will explore their various acting methods and styles through performance. In addition students will work together to create a collaborative theatre piece that is presented for an audience.

*Prerequisites: Theatre (beginning) or above*

Offered at East Mecklenburg High School, Myers Park High School

**IB VISUAL ARTS SL I & II | IB VISUAL ARTS HL I & II**

The IB Visual Arts course requires students to investigate artistic techniques, genres, and cultural and historical influences as they create their own art. Students create a curated Exhibition of their own art. They must reflect on the influences and technical challenges presented by each of their works in a documented Process Portfolio. They also create a Comparative Study of artists and their work. All three of these components are required for the IB Visual Art Exam.

*Prerequisites: Visual Arts (beginning) or above OR Contemporary Crafts (beginning) or above or Photography (beginning)*

Offered at East Mecklenburg High School, Harding University High School, Myers Park High School, North Mecklenburg High School, West Charlotte High School; concentration in Photography offered at Myers Park High School, North Mecklenburg High School

**THEORY OF KNOWLEDGE****IB THEORY OF KNOWLEDGE I & II**

In Theory of Knowledge, students study both ways of knowing (including language, sense perception, and emotion) and areas of knowledge (including history, natural sciences, and ethics) as they consider their own knowledge acquired in the IB program and beyond.

Offered at East Mecklenburg High School, Harding University High School, Myers Park High School, North Mecklenburg High School, West Charlotte High School



## NORTH CAROLINA SCHOOL OF SCIENCE & MATH (NCSSM)

NCSSM offers online courses, including advanced math and science courses in two formats, both of which are at no cost to families.

1. NCSSM IVC Program – IVC courses are available to all 9-12 students. These courses are offered synchronously during the school day. More information at <https://www.ncssm.edu/ivc-courses>
2. NCSSM Online – Students apply in their 10th grade year. NCSSM Online offers a supplemental, two-year, sequenced honors program for Math & Science courses, while students remain at their home school.

## VIRTUAL AND ONLINE LEARNING OPPORTUNITIES

CMS provides a comprehensive catalog of online courses for students in grades six through twelve. All students have access to take courses online with a highly qualified teacher of record for initial credit or credit recovery.

If a student would like to take a course online, they should contact their school guidance counselor or eLearning Advisor. Online courses are asynchronous and can be taken during the school day, before or after school, or over the summer. Online courses are available year round and most offerings have flexible start dates. With school approval, students may take all or part of their courses online. Students who wish to take all courses online may also elect to transfer to the eLearning Academy (more about eLA on page 3).

All online courses taken for credit are recorded on the students' transcript and affect GPA and class rank – this includes points for standard, honors, and Advanced Placement courses.

Students enrolled in online courses must take all required exams at their home school, including AP, EOC, EOG, CTE, and NCFEs.

Student wishing to pursue online learning full-time can speak to their school counselor or apply to the eLearning Academy High School.

Full content is available to all students in grades 6-12, but is available based on school approval.

## CREDIT RECOVERY/ CREDIT BY DEMONSTRATED MASTERY

Students who failed a course(s) have the option to retake the entire course for credit or take a credit recovery course. Credit recovery courses are available online as well as face-to-face at their home school. Courses taken for credit recovery include a pre-testing option that allows students to show mastery and place out of lessons so they can focus their full attention on the lessons they need to learn. PLEASE NOTE: Student athletes going through the NCAA Clearinghouse are not eligible to take credit recovery courses.

Students taking credit recovery will have the opportunity to earn the credit missed, but it will not remove the initial failing grade, will not impact GPA, or class ranking. Students wishing to replace the failing grade with a higher grade must complete the entirety of the course again. This new score does replace the failing grade.

The state of North Carolina does not require courses to be a certain length, but requires mastery of the content.

## AVID - ADVANCEMENT VIA INDIVIDUAL DETERMINATION (I, II, III, IV)

AVID is a college readiness system designed to increase the number of students who enroll and persist in four-year colleges and universities. At the secondary grade levels (grades 6–12), AVID is an elective course taken during the school day. Students enrolled in AVID learn organizational and study skills, work on critical thinking and asking probing questions, get academic help from peers and college tutors, and participate in enrichment and motivational activities. Students must enroll in at least one of their school's most rigorous academic classes, such as Honors or Advanced Placement, in addition to the AVID Elective.

The AVID curriculum, based on rigorous standards, is driven by the WICOR methodology, which stands for Writing, Inquiry, Collaboration, Organization, and Reading. WICOR instructional strategies engage students and scaffold instruction.

### TO BE ELIGIBLE TO ENROLL, A STUDENT MUST:

- Demonstrate the potential, desire and determination to attend college
- Maintain a minimum 2.0 GPA
- Commit to enroll in academically rigorous courses (appropriate for the student)
- Fulfill the requirements set forth by the school's AVID contract

AVID is offered in several CMS schools. Please contact your school for more information about availability and how to enroll in the AVID program.

*\*For more information about the AVID curriculum and program, please visit the AVID website at [www.avid.org](http://www.avid.org)*

## DRIVERS' EDUCATION

Drivers' Education is a state-funded program consisting of 30 hours of classroom instruction and 6 hours of behind-the-wheel training offered to all eligible students in Mecklenburg County. CMS Driver Education is designed and dedicated to prepare our students for a lifelong skill that greatly enhances their quality of life. The goal of CMS Driver Education is to provide each student driver the psychomotor skills and mental attitudes required to become the most competent, skillful, and responsible driver possible. This serves as a base for parents to continue the instruction of their young driver in developing the necessary knowledge, skill, and attitude needed to become a safe driver. The program is offered monthly at all CMS high school campuses after the regular school day; during the summer at most CMS high schools and during school vacations and on Saturdays at selected CMS high school locations. All CMS high schools have a Driver Education site coordinator who can be contacted for further information.

To be eligible to enroll, a student must:

- Be at least 14.5 years old but less than 18 years old on the first day of the desired class.
- Be actively enrolled in a public, private, charter or licensed home school in Mecklenburg County.
- Not have had Driver Education before.
- Agree to comply with the CMS Code of Conduct.

A proficiency test may be offered to students who are at least 16 years of age or who have transferred from another state and possess a valid level one graduated driver license (GDL). Eligible students may enroll in the classroom phase by contacting their CMS high school DE site coordinator or by calling the CMS driving school contractor – currently Jordan Driving School at 704-566-9900. If a student is removed from the program for disciplinary reasons or drops out for any reason, the student will have to make arrangements to finish their training through a commercially licensed school at their own expense.

Please visit the CMS Driver Education web page at:

<http://www.cms.k12.nc.us/cmsdepartments/ci/fed-state-programs/drivers-ed/Pages/default.aspx>



## JROTC

The CMS JROTC Program emphasizes character education, student achievement, wellness, leadership, citizenship, service to community and diversity. Its focus is reflected in its mission "To motivate young people to be better citizens." It prepares high school students for responsible leadership roles while fostering in each school a more constructive and disciplined learning environment. The attributes of self-discipline, teamwork, self-confidence, responsiveness to constituted authority and patriotism are developed. JROTC Level III and IV Honors Curriculum with appropriate .5 quality point have been added to all CMS JROTC Programs. Integrated-curricular activities include drill teams, rifle teams, adventure training teams, athletic/orienteering/academic competitions, community parades, summer camps and field trips to Service installations and national historical sites. Each cadet is issued a uniform, earns leadership promotions and has the opportunity to exercise command. Uniforms, textbooks, and training materials are furnished by the Services at no cost to the student. There is no military obligation as a result of participation in JROTC. Last year's CMS JROTC students achieved a 99% on time graduation rate and received \$12.9 million in scholarships and appointments to Service Academies.

### AIR FORCE JROTC (AEROSPACE SCIENCE)

Available at: East Mecklenburg, Independence, North Mecklenburg, Vance, West Mecklenburg

### AEROSPACE SCIENCE I, II, III, & IV

Includes instruction in Air Force history, weather, principles of flight, global and cultural studies, space exploration, astronomy, military organizations, leadership, character education, communication skills, health and wellness, and military drill. Students in the Air Force JROTC program have increased opportunities for appointment to the Air Force Academy and ROTC scholarships. Each level in the courses offers a continuation of the previous subjects and increased opportunities for leadership development.

**Prerequisite:** Be in the 9th grade or above, good moral character, physically fit, and Senior Air Science Instructor approval. Levels II, III, and IV require the successful completion of the previous levels and Senior Air Science Instructor approval.

### ARMY JROTC (MILITARY SCIENCE)

Available at: Berry Academy, Butler, Garinger, Hawthorne, Harding, Hopewell, Hough, Mallard Creek, Myers Park, Olympic, Rocky River, West Charlotte.

### MILITARY SCIENCE I, II, III & IV

Includes instruction in Army history, leadership and managerial skills, geography, character development, effective communication skills, goal setting and time management, global and cultural studies, military drill and ceremonies. Students in the Army JROTC program have increased opportunity for Service Academy appointments and ROTC scholarships. Each level in the courses offers a continuation of previous subjects and increased opportunities for leadership development in the art of decision making and problem solving.

**Prerequisite:** Be in the 9th grade or above, good moral character, physically fit, and Senior Army Instructor approval. Levels II, III, and IV require the successful completion of the previous levels and Senior Army Instructor approval.

### NAVY JROTC (NAVAL SCIENCE)

Available at: Providence, South Mecklenburg

### NAVAL SCIENCE I, II, III & IV

Includes academic instruction in leadership, citizenship, college preparation, Maritime geography and history, military justice, international law, sea power and national security, Naval Operations and skills, ethics and personal finances. The military portion focuses on additional military orientation subjects as well as basic drill, uniform inspections and military bearing and courtesies. Students also participate in various team building and fitness programs during class. Each level in the courses offers a continuation of the previous subjects and increased opportunities for leadership development.

**Prerequisite:** Be in the 9th grade or above, good moral character, a desire to learn, and Senior Naval Science Instructor approval. Level II, III, and IV require the successful completion of the previous levels and Senior Naval Science Instructor approval.

### MARINE CORPS JROTC (MILITARY SCIENCE)

Available at: Ardrey Kell.

### MCJROTC I, II, III & IV

Includes instruction in Marine Corps history, customs and courtesies, national security, military organization, physical fitness, drill and ceremonies and land navigation while stressing leadership and character development, and civic responsibility. Students in the MCJROTC Program have increased opportunities for ROTC scholarships and Service academy appointments. Each level in the program offers continuation of the previous subjects and greater opportunities to develop and practice leadership skills.

**Prerequisite:** Be in the 9th grade or above, good moral character, a desire to learn, and Senior Marine Instructor approval. Level II, III, and IV require the successful completion of the previous levels and Senior Marine Instructor approval.

### CMS JROTC HONORS

Available at: Ardrey Kell, Berry Academy, Butler, East Mecklenburg, Garinger, Hawthorne, Harding, Hopewell, Hough, Independence, Mallard Creek, Myers Park, North Mecklenburg, Rocky River, Olympic, Providence, South Mecklenburg, Vance, West Charlotte, West Mecklenburg.

### CMS JROTC HONORS III & IV

Curriculum builds upon previous JROTC I, II, Leadership and Management courses. The focus is on short and long range planning, decision-making skills, coordination, control and execution of cadet organization activities. It stresses communication skills, composition, a research based project, product and oral presentation.

**Prerequisites:** Successful completion of JROTC II or III respectively, application to and interview by JROTC Honors Committee, and approval by the Senior Service Instructor.

### JROTC LEADERSHIP LAB

Available at: Ardrey Kell, Berry Academy, Butler, East Mecklenburg, Garinger, Hawthorne, Harding, Hopewell, Hough, Independence, Mallard Creek, Myers Park, North Mecklenburg, Olympic, Providence, South Mecklenburg, Rocky River, Vance, West Charlotte, West Mecklenburg.

Provides instruction in a field and laboratory environment designed to develop leadership, managerial and character education skills through teambuilding exercises, staff work, role modeling, field training exercises and service learning projects. Each level is more advanced, challenging and requires higher skill levels for mastery. Prerequisite: AJROTC, AFJROTC, MCJROTC, NJROTC. Senior Instructor approval, 9th, 10th, 11th, 12th grade.

## CTE ACADEMIES

Career academies prepare students for college and professional careers. Academic learning experiences are combined with a themed curriculum designed to help students develop the critical thinking and problem-solving skills for success in postsecondary education and 21st century professional careers. Summer internships and numerous enrichment activities provide students with extended learning opportunities throughout their four years in high school.

### ACADEMY OF ENGINEERING:

*Hopewell, Mallard Creek, Phillip O. Berry Academy of Technology, East Meck, Olympic, Vance, Independence, and Charlotte Early College*

This career academy prepares students for post-secondary education and career opportunities in Engineering, and Engineering Technology, and related Science, Technology, Engineering, and Mathematics (STEM) professions. The Academy of Engineering was developed in collaboration with the National Academy Foundation (NAF), Project Lead the Way (PLTW), and the National Action Council for Minorities in Engineering (NACME).

### ACADEMY OF FINANCE:

*Olympic*

This career academy prepares students for post-secondary education and career opportunities in the Financial Services and Business, Marketing & Management professions. The career academy provides a concentrated study of the financial services industry with specialized courses in finance, economics, taxation, budgeting, labor management relations, and international trade. The Academy of Finance was developed in collaboration with the National Academy Foundation (NAF).

### ACADEMY OF HEALTH SCIENCES:

*Phillip O. Berry Academy of Technology, Butler, Hawthorne and Olympic*

This career academy prepares students for post-secondary education and career opportunities in the Healthcare industry. The career academy provides a concentrated study in health careers, biotechnology, therapeutics, medical diagnostics, and health informatics. The Academy of Health Science was developed in collaboration with the National Academy Foundation (NAF) and Project Lead the Way (PLTW).

### ACADEMY OF HOSPITALITY AND TOURISM:

*Hopewell and Olympic*

This career academy prepares students for post-secondary education and career opportunities in the hospitality industry. The career academy provides a concentrated study in customer service, geography, hospitality marketing, sports, entertainment, and event planning, and sustainable tourism. The Academy of Hospitality and Tourism was developed in collaboration with the National Academy Foundation (NAF).

### ACADEMY OF INFORMATION TECHNOLOGY:

*Phillip O. Berry Academy of Technology and Olympic*

This career academy prepares students for post-secondary education and career opportunities in Information Technology. The students are engaged in in-depth studies in the fields of programming, database administration, digital networks and other areas in the expanding digital workplace. The Academy of Information Technology was developed in collaboration with the National Academy Foundation (NAF).



## CTE INTERNSHIP PROGRAM

Internships provide hands-on, work-based learning experiences for students in their areas of career or academic interest. Students must complete all requirements and activities outlined in the CTE Internship Course Student Handbook in order to receive one CTE internship course unit of credit. One course credit is awarded at the end of the school year upon completion of the required 135 course work hours. CTE supports internship opportunities for high school students through the academic, course related, and/or general internship programs. The chart below highlights the requirements for the internship programs.

Students interested in participating in an internship should see the Career Development Coordinator, or school counselor for further information.

CRITERIA	CTE INTERNSHIP Q&A
<b>Credit Awarded</b>	<b>1 Elective Course Credit</b>
<b>Letter Grade</b>	<b>Yes</b>
<b>Grade Point Average</b>	<b>NO</b>
<b>Application Required</b>	<b>YES</b>
<b>Transportation Provided</b>	<b>NO</b>
<b>Participation Time</b>	<b>During School Year</b>
<b>Eligible for Participation</b>	<b>Rising Juniors and Seniors</b>



## ALTERNATIVE IN-SCHOOL TECHNOLOGY COURSE

### HIGH SCHOOL HELP DESK

The Help Desk course is a hands-on study of technology integration in an educational context. Students will be required to assess problem sets throughout the day and define the best approach to addressing or solving the problem. In addition to solving problems, students will be required to complete and maintain several running projects that address problems or solutions in educational technology integration. Upon completion, students will have supervised, analyzed and completed a portfolio demonstrating mastery of their chosen pathway. Course available at schools with eligible instructor.

All Charlotte-Mecklenburg School Board Policies and Regulations can be accessed from the CMS Homepage. Click on Board of Education then Policies. Click on Board Policies. Click on Board Policies to access the CMS School Board Policies Microscribe Online page You may use the Table of Contents or Search (by topic or specific policy/regulation reference) from that point.

**HIGH SCHOOL GRADUATION : POLICY IKF**

Beginning with students entering the 9th grade for the first time in the 2009-2010 school year (the graduating class of 2014), in order to receive a CMS/ North Carolina high school diploma, a student in the Future Ready Core Plus or Occupational courses of study must earn a total of twenty-four (24) required credits (see Policy IKF, Graduation Requirements).

The CPR graduation requirement is accomplished in the eighth grade healthful living course delivered through a curriculum that meets the healthful living essential standards. If a student has not satisfied the CPR graduation requirement in the 8th grade, arrangements must be made to provide instruction or accommodate remediation to meet this standard. Instruction and/or remediation will include two components. Remediation will include two components. The student will 1) complete the online course, and print the online documentation of course completion; and 2) have a certified physical education/health teacher approve the accompanying skill set, and return the document to the school's registrar to add to transcript.

**HIGH SCHOOL PROMOTION STANDARDS**

Effective with the 2012/2014 school year, students must meet the following requirements to be promoted from one grade to another.

- a. 9th to 10th Grade: Students must earn six (6) credits during the 9th grade. Credits may be earned in any courses.
- b. 10th to 11th Grade: Students must have earned a cumulative total of 12 credits (which must include English I, English II and Math I).
- c. 11th to 12th Grade: Students must have earned a cumulative total of 18 credits.
- d. High school credits earned in middle school do not count towards credits that must be earned each year in order to be promoted to the next grade. However, credits earned in middle school do count towards the total number of credits necessary to satisfy graduation requirements.
- e. Until students have satisfied graduation standards in English or Math, they must be scheduled to take at least one English and one Math course every year.
- f. Students should be promoted only at the end of the first or second semester, upon completing the required courses and credits to be reclassified to the next level.

**DETERMINATION OF APPLICABLE GRADUATION REQUIREMENTS AND GRADUATING CLASS**

For purposes of determining graduation requirements, each student is assigned to a graduating class when the student first enters ninth grade. In order to graduate from high school, the student must meet the CMS graduation requirements in effect for that particular class. This provision applies to a student who graduates before or after the graduating class to which the student was assigned upon entering the ninth grade.

**GRADE POINT AVERAGE/CLASS RANKING - IKC-R**

**I. GRADE POINT AVERAGE (GPA)**

**A. Computation**

- 1. The following courses are included in calculation of GPA:
  - a. Course work attempted in CMS in grades 9 through 12, unless the course is one that is specifically exempted from inclusion in GPA (see #2, below). The course work may be taken during the regular or extended year term, or at an alternative school site;
  - b. Courses that a CMS student takes and fails at a CMS school and repeats at a non-CMS institution in grades 9-12;
  - c. Courses taken in accredited educational institutions in grades 9-12 before the student enrolled in CMS;
  - d. New course work taken at accredited non-CMS educational institutions in grades 9-12 that is necessary for the student to satisfy a graduation requirement and is not reasonably available to the student within CMS (see IKF-R for additional information on this requirement);

- e. New course work taken in grades 9-12 at accredited non-CMS educational institutions that the principal and the superintendent's designee approve for inclusion as a graduation requirement, as set forth in IKF-R;
- f. Courses taken at institutions of higher education that are included in an articulation agreement or memorandum of understanding between the institution and CMS regarding courses for which students may receive credits towards graduation.

- 2. The following courses are not included in calculation of GPA:
  - a. Courses transferred from home schools (effective with the 2003 – 2004 school year);
  - b. Courses transferred from non-accredited schools (effective with the 2003 – 2004 school year);
  - c. New course work taken by CMS students at accredited non-CMS institutions that does not meet the criteria set forth above for inclusion in graduation requirements;
  - d. Courses for which grades are awarded pass/fail, such as courses taken through the Credit by Demonstrated Mastery (CDM) process and Credit Recovery; and
  - e. CMS courses noted as not being included in the GPA calculation in the current year's "High School Planning Guide."
- 3. The number of quality points a student may earn for a particular course is determined by a combination of the student's grade in the course and the academic level of the course, as follows:

ACADEMIC COURSE LEVEL		
Standard	Honors/college courses identified in Comprehensive Articulation Agreement	Advanced Placement /International Baccalaureate/Cambridge International/higher-level college courses identified in Comprehensive Articulation Agreement
<b>GRADE/TOTAL QUALITY POINTS</b> <i>(For students first entering 9th grade beginning with the 2015/2016 school year)</i>		
Unweighted	Weighted	Weighted
A /4 B /3 C /2 D /1 F/0	A/4.5 B/3.5 C/2.5 D/1.5 F/0	A/5 B/4 C/3 D/2 F/0
<b>GRADE/TOTAL QUALITY POINTS</b> <i>(For students first entering 9th grade prior to the 2015/2016 school year)</i>		
Unweighted	Weighted	Weighted
A /4 B /3 C /2 D /1 F/0	A/5 B/4 C/3 D/2 F/0	A/6 B/5 C/4 D/3 F/0

- 4. The number of quality points used in the GPA calculation formula shall be based upon the final course grade in all cases where the final course grade is available. If the final course grade has not yet been awarded, the alternate final mark (i.e. the midterm grade in a yearlong course) shall be used to determine the number of quality points.
- 5. To determine an unweighted GPA, the total quality points (disregarding the additional quality points awarded for upper level courses) are divided by the total number of semesters attempted.
- 6. To determine a weighted GPA, the total of quality points (weighted and unweighted) is divided by the number of semesters attempted.
- 7. A GPA calculated at mid-term is an Interim GPA. An Interim GPA is based upon all final course grades and, for courses in progress, the alternate final marks.

8. At the end of the school term, after final course grades have been awarded, for purposes of calculating an End-of-year GPA the alternate final marks are converted to final course grades, which are then used as grades for both first and second semesters in the GPA calculation formula.
9. GPA will be computed to the thousandth of a percent and rounded to the nearest hundredth. Place values beyond the rounded hundredth's place will not be considered as part of the GPA.

#### B. Schedule for Calculating GPA

1. A student's end-of-year weighted GPA will be calculated at the end of grades nine through twelve, using final course grades.
2. An interim weighted GPA will be calculated at the end of first semester for all high school students and posted to the students' transcripts.

## II. RANK IN CLASS

### A. Students Eligible to be Ranked

1. All students enrolled in a school at the time class ranks are calculated will be included in the class ranking.
2. In order to be eligible to be Valedictorian or Salutatorian at a particular high school, a student must have been enrolled at that school and have been a member of the class with which he or she is being ranked from the beginning of second semester of the school year preceding the student's senior year. If a student is graduating early, the student must have been enrolled at the school from the beginning of second semester of his or her tenth grade year.

### B. Computation

1. Class rank will be determined by ranking all students numerically by weighted GPA. The student(s) with the highest average will be assigned a rank of number one (1) in the class. The student(s) with the second highest average will be assigned the next highest rank. Students who have the same GPA will have the same rank in class.
2. All high schools will determine Junior Marshals by ranking students according to the weighted GPAs calculated at the beginning of first semester of the students' junior year.
3. Effective with the graduating class of 2003, all high schools will determine honor graduates (Valedictorian and Salutatorian) by ranking seniors according to the weighted GPAs calculated at the end of second semester of the students' senior year.
4. All students who share the top ranking will share the title of Valedictorian. All students who share the next highest ranking will share the title of Salutatorian.
5. In order to ensure consistency and fairness, for purposes of determining Valedictorian and Salutatorian, the GPAs and class ranks of students who are candidates for these awards will be calculated based on the same system for awarding quality points, as follows:

### C. Schedule for Determining Class Rank

1. Class rank shall be run according to the following schedule:

<b>Grade 9</b>	End of first semester
<b>Grade 10</b>	On the 15th school day and at end of first semester
<b>Grade 11</b>	On the 15th school day and at end of first semester
<b>Grade 12</b>	On the 15th school day, end of first semester, and end of second semester

2. If data is not available to calculate class rank on the 15th school day, class rank shall be run as soon thereafter as possible.

### GRADING/ASSESSMENT SYSTEMS - IKA-R

(reference to high school section only; entire regulation can be viewed at the CMS website, [www.cms.k12.nc.us](http://www.cms.k12.nc.us))

## III. HIGH SCHOOL GRADING SCALE

In each course, the academic grade a student earns shall reflect the student's achievement of grade level expectations and satisfaction of attendance requirements. Letter grades will be used for all courses.

In each course, the conduct grade a student earns shall reflect the grade level expectations for work, study, and social habits. The conduct grade shall be determined independently of the content area grade.

### A. Grading Scale for Grades 9-12:

1. Academic Progress
 

A = 90–100	Excellent Performance
B = 80–90	Very Good Performance
C = 70–80	Satisfactory Performance
D = 60–70	Inconsistent, Low Performance
F = Below 60	Unsatisfactory Performance or Excessive Absences
I = Incomplete	Student has not fulfilled the course requirements.

*Note: Incompletes are to be awarded only in situations when students have been unable to complete course requirements because of circumstances beyond their control. Principals must approve awarding a student an Incomplete. At the end of first semester, an "I" will revert to an "F" if course requirements are not met within 30 days. Except for seniors, at the end of second semester, an "I" will revert to an "F" if course requirements are not met within ten days of the last day of school. For seniors, no "I's" will be awarded at the end of second semester. These time limits may be extended in extenuating circumstances.*

### Grading English Learners (ELs)

Student work should be graded in accordance with what they "Can Do" based on English language proficiency levels. Classroom teachers should design and modify instruction, assignments and tests based on students' English language proficiency levels in reading, writing, listening and speaking as determined by the WIDA language proficiency test.

ELs may receive language modification and testing accommodations in the classroom, while being instructed with Core Curriculum State Standards on grade level. The WIDA English Language Development Standards should be used as a tool to access Core Curriculum State Standards. The WIDA Can Do Descriptors highlight examples of what students can do at each English proficiency level. It is a grade specific resource designed to guide teachers in planning for meaningful activities with ELs.

Reportcard grades should reflect these instructional and language modification without limiting the student from earning the highest grade in the content area. Students should not receive grades of "D," "F," or "1" on assignments solely based on their limited English proficiency. A student could receive a "D," "F," or "1" only if the student's lack of performance on appropriately modified work warrants such a grade.

## IV. HIGH SCHOOL COMPREHENSIVE EXAMINATIONS

A comprehensive examination shall be administered at the end of each course, at a time determined according to the CMS school calendar. A comprehensive examination may be an examination provided by a teacher or a test required by the NC BOE. There are no exemptions from high school examinations based on prior academic performance or attendance. This provision applies to all courses, including those taught online.

A student who does not demonstrate proficiency on this test will have numerous opportunities to repeat the test prior to and after the student's class graduates from high school, as set forth in NC BOE Policy GCS-N-004 (a). For a student in the Occupational Course of Study, the required proficiency level shall be specified in the student's Individual Education Plan (IEP).

### A. Teacher-provided Comprehensive Examinations

1. The teacher-provided comprehensive examination will count as 20% of a student's final grade.
2. As required in policy ACD, Nondiscrimination on the Basis of Religion in Schools, examinations are not to be scheduled on days designated as religious holidays by the Superintendent.
3. The teacher-provided comprehensive examination shall cover the entire course content.



#### **B. Required North Carolina Tests and Examinations**

1. A student enrolled in a course for which a North Carolina End-of-Course (EOC) test has been developed must take the appropriate test, even if the student is also required to take an AP or IB examination in the same course.
2. EOC test scores shall count 20% of the student's final grade.

#### **V. OTHER TESTS**

The district may administer tests other than those described above if the tests are for instructional purposes and are authorized by the administration.

#### **VI. TESTING CALENDAR**

All tests and examinations referenced in this regulation shall be administered according to the district-wide testing calendar that is adopted and distributed annually.

#### **IV. HIGH SCHOOL SCHEDULE CHANGES**

##### **A. Student Initiated Course Changes**

1. A student will not be penalized for a non-administrative course schedule change that is approved according to the following schedule:
  - a. For courses that meet on an "A/B" schedule: within the first twenty school days of the beginning of a course;
  - b. For courses that meet on a "4x4" schedule: within the first ten school days of the beginning of the course.
2. For college courses, the district will follow the schedule for course drops used by the college.
3. A student will receive a grade of "F" in a course for which a non-administrative course schedule change is made after the deadline established in paragraph 1 above.
4. A non-administrative schedule changes includes actions by a student or a parent to drop or withdraw from a course.

##### **B. Administrative Courses Changes**

1. The administration may initiate a student course change at any point without penalty to a student. Such administrative actions include rescheduling a student to a different section of a course or removing a student from a course ("dropping" a course).
2. Administratively initiated schedule changes from one section of a course to another or to a more advanced course should be allowed at the discretion of the principal.

3. Administratively initiated course drops should be made only for the welfare of the student and in compelling circumstances that are beyond the control of the student or his or her parents. Such circumstances include but are not limited to the following:
  - a. The student is or has been seriously ill for an extended period of time;
  - b. The student has been in an accident and suffered severe, debilitating injuries; or
  - c. The student suffers from psychological problems or a mental illness and is under the care of a mental health professional.
  - d. After the student has enrolled in the course, the student is assessed for learning difficulties or academic weaknesses, and the student is identified as being learning disabled or certified as an Exceptional Child.
  - e. The student was inappropriately placed in a course after having transferred into the district and enrolled in school before his or her records were received and reviewed for proper course placement.

In the circumstances set forth in subsections a–d, above, the student's health problems or learning disabilities must affect the student's ability to fulfill the requirements of the course. The principal must have written documentation from the student's physician or treatment professional of the condition that has resulted in the student's inability to successfully complete course requirements.

#### **V. SCHEDULE CHANGES FOR COURSES FOR WHICH THE STATE REQUIRES AN END OF COURSE TEST, OR CTE POST-ASSESSMENT**

##### **A. Student Initiated Course Changes**

Student initiated schedule changes for the courses described above shall follow the guidelines set forth in Section IV. A, above.

##### **B. Administrative Course Changes**

A student enrolled in one of the courses described above may be dropped from the course after the first twenty school days only upon satisfaction of the guidelines set forth in Section IV. B, and upon notification and approval from CMS Accountability. For CTE courses, notification must also be given to the CMS CTE department. The principal must review each case and assure that the reasons for the student's withdrawal from the course are documented. Other requirements may be established by APTS and the NC Department of Public Instruction.

## ONE-CREDIT COURSES

In grades nine through twelve, one unit of credit will be awarded for the satisfactory completion of a course that consists of 135 instructional hours. "Satisfactory completion" means that a student achieved a passing (70 or above) final course grade calculated from grades from the first and second semesters, an End of Course test, or exams. Once having been awarded a credit in a course, a student may not repeat the same course for credit, elective or otherwise.

Generally, only whole credits will be awarded for one-credit courses; partial or one-half units of credit will not be awarded for completion of only part of a one-credit course. However, in extenuating circumstances a student may be awarded one-half unit of elective credit for completion of one-half of a one-credit course. In all cases, this exception may be applied only in rare situations and only with the explicit approval of the principal. Examples of circumstances that qualify for this exception include but are not limited to:

1. When students transfer into CMS after completing one-half of a course and are not able to complete the second half of the course because of scheduling limitations or lack of course availability.
2. When students change schools after completing one-half of a course and are not able to complete the second half of the course because of scheduling limitations or lack of course availability.
3. When a student's schedule must be changed at the end of first semester so he/she is able to make-up a credit necessary for graduation and is therefore not able to complete the second half of the course because of scheduling limitations.

## COURSES TAKEN IN MIDDLE SCHOOL FOR HIGH SCHOOL CREDIT

1. Graduation credit will be awarded for high school courses taken while in middle school with the exception of English II, III, IV, Health and Physical Education, elective and other credits.
  - a. Students must complete the entire course, even if it is taken over two school years; one-half credit will not be awarded for passing only one-half of a course.
  - b. Courses must include comprehensive exams (a district or teacher-made exam, a NC Final Exam or an EOC in courses for which the state has developed an EOC) that count for 20% of the final course grade. (Note: prior to the 2015/16 school year, final course exams counted as 25% of the final grade.)
2. As provided in Section A, above, once having been awarded a credit in a course, a student may not repeat the same course for credit, with the exceptions of:
  - a. OCS students enrolled in CTE courses, and
  - b. Students enrolled in proficiency based courses in Arts Education.

Repeat enrollment in these courses must have prior principal approval.

Therefore, unless one of these exceptions is applicable, students who are awarded graduation credit for a high school course taken in middle school may not again receive credit if the course is repeated in grades 9 – 12. In addition, high school courses taken in middle school do not accrue quality points; therefore grades in these courses are not included in high school grade point average (GPA) calculations.

## CREDITS EARNED WHILE STUDYING ABROAD

CMS encourages and facilitates opportunities for students to pursue their high school education in foreign countries by recruiting students, providing information about study abroad opportunities, and developing partnerships with foreign schools or governmental agencies.

1. CMS students who wish to receive high school credit for courses taken in a foreign country during the school year must withdraw from CMS and enroll in a school in a foreign country. Students will be awarded credit for credits earned abroad upon their re-enrollment in CMS[1], according to the procedures outlined below.
2. Students who wish to receive high school credit for courses taken abroad must initiate a meeting with the school counselor **before** withdrawing from CMS for the purpose of:
  - developing a plan for transferring credits from the foreign school,
  - identifying courses that must be taken upon re-enrollment in CMS in order for the student to graduate with his or her class, and
  - to the extent possible, pre-planning course schedules to be taken upon re-enrollment.

The principal must approve the plan before the student withdraws from CMS and begins the study abroad program.

3. If students are enrolled in a program or school which CMS has a Memorandum of Understanding (MOU) or in a school in a country with which CMS has an MOU with a governmental agency, upon re-enrollment, credits will be evaluated and acknowledged as follows:[2]
  - a. The high school counselor will evaluate and, as appropriate, will convert credits earned while abroad to CMS credit units;
  - b. CMS will accept grades for course work and award credit as assigned by the school in which the student was enrolled in the foreign country;
  - c. Course work and credits will be included on the student's CMS transcript and included in grade point average (GPA) calculations;
  - d. the course work will count towards satisfaction of CMS and NC graduation requirements. In order to determine if a course fulfills a specific state or local graduation requirement, the principal or the Superintendent's designee may require that a student provide course curriculum and content descriptions for evaluation by a CMS curriculum content specialist.
4. Students must satisfy the North Carolina High School Exit Standards and complete a Graduation Project. Schools are encouraged to allow students who study abroad during their junior or senior year in high school to use their study abroad experience as the basis for their Graduation Project.
5. If a student enrolls in a program or school with which CMS does not have an agreement, the student (before enrolling in the program) must correspond with the principal, high school counselor and CMS study abroad specialist to complete CMS Study Abroad documents and forms.

*The State Board of Education eliminated as graduation requirements the NC Competency Test and the NC Test of Computer Skills. This action is retroactive for all students to whom these standards formerly applied. The Superintendent has developed a process by which former students who met all graduation requirements except these two may receive a diploma. For more information, visit the CMS web site at [www.cms.k12.nc.us](http://www.cms.k12.nc.us).*

## PLAN AHEAD: KNOW THE CRITERIA FOR COLLEGE ENTRANCE AND SCHOLARSHIP COMPETITION

If you plan to attend a four-year college or university or a community college, you should enroll in a rigorous course of study. Some of the most common college admission criteria include:

### COURSES TAKEN

You will need to take the most challenging courses in high school in which you can succeed, courses that meet admissions requirements and prepare you for college level work. If you plan to attend a community college for a technical program, be sure to take courses aligned with your goal. Consider earning college credit through Advanced Placement, International Baccalaureate, Career and College Promise, Learn & Earn, or North Carolina Virtual Public School courses. These paths will provide you with opportunities for advanced credit and scholarships.

### GRADES

Work hard, study, and be prepared for class each day. Seek help when you need to from your family, teachers, school counselors, and tutors.

### SAT OR ACT SCORES

Challenging classes and reading each day will help boost your scores! The SAT or the American College Test (ACT) is required for admission to most four-year colleges and universities. It is recommended that you take the SAT and/or ACT twice beginning in the spring of your junior year. Most colleges will accept the highest combination of scores on either test even if they were achieved on different test dates. Some colleges and universities also require you to take the SAT Subject Tests. You should review the specific admission requirements for the colleges that you are considering. Community colleges do not require either the SAT or ACT for admission. However, they will require you to take a placement test in reading and math.

### GPA AND CLASS RANK

Grade point average (GPA) and class rank are calculated twice each school year beginning in the 9th grade. Know your cumulative GPA, both weighted and unweighted. Students can enroll in one of the comprehensive ACT and/or SAT online prep tools available at no cost to families.

### SCHOOL AND COMMUNITY ACTIVITIES

Leadership development and community service are particularly important when you compete for scholarships. Well chosen activities in which you have a genuine interest and which require significant time and energy are more important than a long list of random activities. Maintain a resumé of activities.

### RECOMMENDATIONS

Build strong, positive relationships with your teachers, school counselors and administrators, coaches, club advisors, and other adults in the community. Recommendations are required for most scholarships and by some colleges.

### ESSAYS, INTERVIEWS

Reading widely and taking electives in English, social studies, and marketing education will improve your writing and speaking abilities.

## COMPLETE THESE YEARLY TASKS:

### FRESHMAN YEAR - GRADE 9

- Talk with your parents and school counselor about future plans. Put your plan in writing and update yearly.
- Review college entrance requirements.
- Take challenging classes to prepare you for college and/or your career goals.
- Attend school each day and prepare daily for your classes so that your grades are the best. Grade point average (GPA) and class rank are calculated beginning in grade 9. Remember that honors/AP/IB classes earn extra quality points.
- Explore careers (*through job shadowing, interest inventories, and internships*).
- Attend college fairs with your parents. The National College Fair/Career Expo is usually held in the spring.
- Participate in extracurricular activities. Keep a record of them.

### SOPHOMORE YEAR - GRADE 10

- Review your selection of high school courses, keeping in mind your post-secondary plans.
- Talk with your parents and school counselor about your future goals. Begin to think about choices of college majors.
- Initiate inquiry into possible careers.
- Do well in all courses to maintain or improve your GPA and class rank.
- Take the PSAT (Preliminary SAT) or the PLAN.
- Attend college fairs with your parents. (*i.e. National College Fair/Career Expo*.)
- Continue involvement in school and community activities and keep a record of them.
- Select challenging courses for your junior year during spring registration. Consider taking Advanced Placement courses in your best academic areas.
- Participate in a summer enrichment program.

## TYPES OF FINANCIAL AID

**A financial aid "package" may include any or a combination of the following:**

**SCHOLARSHIP** - gift aid which does not have to be repaid usually given to students with outstanding ability in general scholarship, athletics, or the arts. Visit [www.scholarshipplus.com/charmec](http://www.scholarshipplus.com/charmec) for scholarship information.

**LOAN** - money borrowed from federal, state, college sources or commercial banks. Loans may or may not be interest-free. Usually, students must begin to repay loans nine months after leaving college or university.

**WORK-STUDY PROGRAM** - a federal program which provides part-time employment on campus and in community agencies. Students typically work 10 to 15 hours per week according to their class schedules.

**CAMPUS JOB** - employment by the school as a clerical assistant, lab assistant, teaching assistant, tutor, or other role offered as part of a financial aid package.

**GRANTS** - funds given to subsidize one's education that do not have to be repaid.

### FIVE WAYS TO RESEARCH FINANCIAL AID

1. There is a wealth of scholarship information on-line including free scholarship searches. FinAid ([www.finaid.org](http://www.finaid.org)), Fastweb ([www.fastweb.com](http://www.fastweb.com)), Federal Student Aid for Students ([www.studentaid.ed.gov](http://www.studentaid.ed.gov)) are but a few. Your school counselor can provide additional information and resources.
2. Contact the financial aid offices at the schools to which you are applying. If you must file a CSS/Financial Aid profile, request information from your counselor.
3. Apply for scholarships from community agencies. See your counselor for information about scholarships publicized at your school. Visit [scholarshipplus.com/charmec](http://scholarshipplus.com/charmec). Pay attention to criteria and deadlines.
4. Attend financial aid workshops. Look for aid from all possible sources. Persistence is the key!
5. All students, including student-athletes, should complete the Free Application for Federal Student Aid (FAFSA). Many colleges will require the FAFSA before awarding scholarships. Complete and file during January. It is recommended that you complete this process online at [www.fafsa.ed.gov/](http://www.fafsa.ed.gov/).



## JUNIOR YEAR - GRADE 11

- Renew your commitment to take challenging courses. If you have not yet taken a world language, it is now time to begin one. Most colleges require a minimum of two years of the same language and recommend that one be taken in the senior year.
- Take the PSAT again. The PSAT/NMSQT is the qualifying test for the National Merit Scholarship, the National Achievement Scholarship, and the National Hispanic Scholar Recognition Program. You can qualify for these scholarship opportunities only by taking the PSAT in your junior year.
- Make a list of your abilities, interests, needs and goals, and explore your college and career options with your parents and school counselor.
- Make an initial list of colleges and careers that interest you and seek out information about them:
  - Use the Internet or computer software (Visit [www.cfnc.org](http://www.cfnc.org))
  - Attend National College Fair/Career Expo in spring.
  - Interview people who have attended colleges in which you are interested.
  - Visit prospective colleges.
  - Check college web sites for specific entrance requirements (tests, courses, timeline).
  - Consider a work-based learning opportunity (co-op and internships).
  - Sign up at school to talk with college representatives as they visit your school.
- In March, May, or June take the SAT or ACT and request that the scores be sent to colleges. Registration information is available in your school's counseling department and on-line.
- In May/June take SAT Subject Tests if required by colleges you're considering.
- Attend the Financial Aid workshop at your school with your parents. (It is usually held in December or January.)
- Investigate sources of financial aid (scholarships, grants, and loans). There is a wealth of resources available on line.
- Participate in SAT/ACT preparation activities offered at your school.
- Take Advanced Placement/IB examinations in May if you are enrolled in those courses.
- If you are a potential college athlete, register with the NCAA Eligibility Center. Information is available in your school's Student Services department.
- Plan your senior year schedule to include the remaining courses you need for graduation and college admission.
- Continue participation in school and community activities; volunteer for community service.
- Investigate pre-college and enrichment programs for the summer or secure a part-time summer job in your area of career interest.
- Begin preparing your high school resume and essays for college and scholarship applications. Visit colleges you are interested in attending.



## SENIOR YEAR - GRADE 12

- Take classes that will best prepare you for college level work. Remember, most colleges recommend that you take a math and a world language course in your senior year.
- Meet with your school counselor to update your list of post secondary options and narrow your college list down to five.
- If applying to a four-year college for early decision, submit your applications in October or November. Try to submit all applications to four-year colleges by December 1. Meet all deadlines.
- Have an official transcript sent to all colleges to which you are applying. Transcripts are sent only when you request them. You should turn in your written request to the person designated to furnish transcripts in your school's counseling department at least two weeks before the transcripts are needed.
- Attend fall college fairs; continue to meet with college representatives who come to your school.
- Take the SAT/ACT again in October or November. Take SAT Subject Tests if required by your choice of colleges.
- Visit colleges; teacher workdays are good times for these visits.
- If you did not participate in a work-based learning opportunity last year, consider one now.
- If you plan to attend a community college, begin by January to complete the admissions form, apply for financial aid, have an official transcript mailed, take the placement tests, and make an appointment with your community college program counselor.
- As soon as possible, complete the FAFSA and other required financial aid forms.
- In January request that 1st semester grades be sent to those colleges requiring them.
- Avoid "senioritis" — stay focused on your course work.
- Respond to college offers of admission and scholarship by May 1. Notify all colleges to which you have been accepted of your final decision.
- Submit required deposits and make plans to take any required placement tests.
- Take Advanced Placement or International Baccalaureate examinations in May if you are enrolled in those courses.
- Request that a final transcript be sent to the college you plan to attend.
- Graduate!

## GRADUATION REQUIREMENTS EXHIBIT

IKF-E

## CMS/NC COURSE OF STUDY GRADUATION REQUIREMENTS

Effective with the CLASS OF 2016 (Beginning with students entering 9th Grade in 2012)

Course of Study	FUTURE READY CORE PLUS	Occupational
Content Area	Courses	Credits
English	<b>4 Credits</b> English I, II, III, IV (taken in sequence); or Early College English Course sequence	<b>4 Credits</b> English I, II, III, IV
Mathematics	<b>4 Credits</b> NC Math 1, NC Math 2, NC Math 3 & a 4th math aligned with the student's post high school plans; or Alternate Math Sequence (requires principal approval): NC Math 1/NC Math 2 plus two other alternative math courses. (See Notes 1, 2 and 3)	<b>3 Credits</b> Introduction to Math NC Math 1 Financial Management
Science	<b>3 Credits</b> An earth/environmental science Biology A physical science	<b>2 Credits</b> Applied Science Biology
Social Studies	<b>4 Credits</b> American History, The Founding Principles, Civics and Economics (See Note 4) World History American History I: The Founding Principles and American History II; or AP US History or IB History of the Americas, plus 1 additional social studies credit (See Note 5)	<b>2 Credits</b> History American History The Founding Principles Civics and Economics American History I <b>or</b> American History II
Health & Physical Education	<b>1 Credit</b>	<b>1 Credit</b>
Electives	<b>8 Credits</b> A concentration of four courses in one subject area or a cross-disciplinary area, focused on student interests and postsecondary goals, providing an opportunity for the student to participate in a rigorous, in-depth and linked study, is recommended. The concentration may include but is not limited to courses in CTE, ROTC, Advanced Placement, International Baccalaureate, or Arts Education; students may also take courses through Career and College Promise or university dual enrollment. Two of the four remaining electives must be any combination of courses in Career & Technical Education, Arts Education and World Languages. (See Notes 1 & 6)	<b>4 Credits</b> Career/Technical Education
Occupational	<b>0 Credits</b>	<b>8 Credits which consist of:</b> Prep I, II, III, IV Prep Lab I, II, III, IV
<b>TOTALS</b>	<b>24 Credits (See Note 7)</b>	<b>24 Credits (See Note 8)</b>
Notes		
<ol style="list-style-type: none"> <li>To meet minimum admission requirements for the UNC University System, a student must: a) complete a specific math sequence; and b) have a minimum of two years of credit in the same World Language.</li> <li>A student participating in the Alternate Math Sequence is not eligible to graduate ahead of his/her class. Exceptions to this rule must be approved by the Learning Community Superintendent.</li> <li>Course titles of Algebra I, Geometry, and Algebra II have changed to NC Math 1, NC Math 2, NC Math 3.</li> <li>The course title of Civics and Economics has changed to American History, The Founding Principles, Civics and Economics.</li> <li>The additional social studies credit must be in a social studies course approved under the NC Essential Standards for Social Studies.</li> <li>Students must earn four elective credits constituting a concentration in CTE, JROTC, Arts Education, World Languages or any other subject area in order to be named a North Carolina Academic Scholar. See Regulation IHCC-R for details.</li> <li>Additional graduation requirements: CMS Graduation Project and CPR certification. CPR certification is required beginning with students entering the 9th grade in 2011.</li> <li>For students following the Occupational Course of Study entering 9th grade in the 2014-2015 school year and forward, requirements have been adjusted to 150 hours of school based training, 225 hours of community based training, and 225 hours of paid employment.</li> </ol>		

Adopted: 8/28/12

E-8 Revised: 12/11/12, 1/27/2015

## ARTS EDUCATION

Arts Education courses are aligned directly with the Arts Education Essential Standards and sequentially organized by four proficiency levels of Beginning, Intermediate, Proficient, and Advanced. Beginning courses are for those students who have not received a complete K-8 education within a particular arts education discipline. Intermediate courses are for those students who have received a complete K-8 education or who can provide sufficient evidence to the course instructor of having met beginning level standards. Concurrent enrollment in the same course at two different proficiency levels is not possible.

Students who demonstrate mastery of all course objectives should move to the next proficiency level at the end the course. If there is evidence that the

student has achieved all of the standards within a given proficiency level mid-course, it is up to the teacher to ensure that the student has opportunities to either extend the standards or work toward the next level of proficiency.

State Board of Education Policy GCS-L-004 (approved in March 2012), states that under Item 3 of the policy that arts education courses will receive weighted (honors) credit of .5 at the proficient and advanced levels. AP and IB courses retain their designations because the standards and designation are guided by outside organizations. Students may repeat arts education courses for credit at any proficiency level, including proficient and advanced.

PERFORMING ARTS COURSES		
<p><b>Dance</b> Dance (Beg) Dance (Int) Dance (Prof)* Dance (Adv)*</p> <p><b>Choral Music</b> Chorus (Beg) Mixed Choir (Int) Mens Ensemble (Int) Womens Ensemble (Int) Concert Choir (Prof)* Mens Chamber Choir (Prof)* Womens Chamber Choir (Prof)* Mixed Chamber Choir (Adv)*</p>	<p><b>Band</b> Band (Beg) Concert Band (Int) Symphonic Band (Int) Symphonic Band (Prof)* Wind Ensemble (Prof)* Wind Ensemble (Adv)* Jazz Ensemble (Prof)* Marching Band (Int) Marching Band (Int) No Credit</p> <p><b>Orchestra</b> Orchestra (Beg) Concert Orchestra (Int) Symphonic Orchestra (Prof)* Chamber Orchestra (Adv)*</p>	<p><b>Music Theory</b> Music Theory I (Int) Music Theory II (Prof)* AP Music Theory (Also available online)</p> <p><b>Theatre</b> Theatre Arts (Beg) Theatre Arts (Int) Theatre Arts(Prof)* Theatre Arts (Adv)* Technical Theatre (Beg) Technical Theatre (Int) Technical Theatre (Prof)* Technical Theatre (Adv)*</p>

- In order to move from one proficiency level to the next, the student must demonstrate mastery of all course objectives.
- Beginning courses are for those students who have not received a complete K-8 education within a particular arts education discipline.
- Intermediate instrumental music courses are for those students who have completed a K-5 music program and a 6-8 instrumental course sequence or who can provide evidence of having met beginning level standards.
- Intermediate choral music courses are for those students who have completed a K-5 music program and a 6-8 choral course sequence or who can provide evidence of having met beginning level standards.
- Intermediate Dance and Theatre Arts courses are for those students who have completed a 6-8 dance or theatre arts course sequence or who can provide evidence of having met beginning level standards.

\* Denotes Honors Credit

VISUAL ARTS COURSES		
VISUAL ARTS	CONTEMPORARY CRAFT & DESIGN	CERAMICS
Beginning Visual Arts	Beginning Contemporary Craft & Design	Beginning Ceramics
Intermediate Visual Arts	Intermediate Contemporary Craft & Design	Intermediate Ceramics
Proficient Visual Arts*	Proficient Contemporary Craft & Design *	Proficient Ceramics *
Advanced Visual Arts *	Advanced Contemporary Craft & Design *	Advanced Ceramics *
PHOTOGRAPHY	ART HISTORY	AP STUDIO ART
Beginning Photography	Art History (Proficient)*	AP Studio Art Drawing
Intermediate Photography	AP Art History	AP Studio Art 2-D
Proficient Photography *		AP Studio Art 3-D
Advanced Photography*		

- Beginning courses are for those students who have not received a complete K-8 education within a particular visual arts education discipline. Examples includes specialty Visual Arts Courses such as Ceramics, Contemporary Crafts & Design, and Photography.
- Visual Arts Intermediate course is for those students who have completed a K-5 visual arts program and a 6-8 Visual Arts course sequence or who can provide evidence of having met beginning level standards.

\* Denotes Honors Credit

**DANCE****DANCE (BEGINNING)**

This course explores movement as a creative art form. Students learn basic choreographic principles, structures and processes. Movement skills and performance values are studied. A movement portfolio is begun. Students analyze dance and explore connections in history, to other arts disciplines, and to health. Students will begin to self assess their dance based on established criteria. *Prerequisite: None*

**DANCE (INTERMEDIATE)**

This course builds upon technical movement and choreographic skills. A movement portfolio is further developed. Students learn anatomical concepts in relation to dance; how to analyze dance on the basis of established criteria; and to evaluate personal performance. Connections between dance and civics and economics, health, and other arts disciplines are explored. Students will participate in self assessments and aesthetic evaluations.

*Prerequisite: Demonstrated Proficiency and Teacher Recommendation.*

**DANCE (PROFICIENT\*)**

This course emphasizes dance as a creative and expressive art form. Students increase their technical movement skills and create dances that fulfill choreographic intent, utilize production design choices, and meet aesthetic criteria. Examining and evaluating dance from cultural and historical perspectives with emphasis in the U.S. is a part of dance at this level. Connections to literary works are explored. Students are expected to reflect upon personal performance and establish goals for growth. Students are expected to perform in dance concerts. *Prerequisite: Demonstrated Proficiency in Dance (Intermediate) and Teacher Recommendation.*

**DANCE (ADVANCED\*)**

This course emphasizes an advanced level of technique and refinement of skills as a choreographer and performer. Students are expected to analyze, critique, evaluate and interpret dance from personal, cultural, and historical contexts. Incorporation of complex dance structures, performance values, and response to constructive feedback should be demonstrated when dancing. Students are expected to perform in dance concerts. *Prerequisite: Demonstrated Proficiency in Dance (Proficient) and Teacher Recommendation*

**CHORAL MUSIC****CHORUS (BEGINNING)**

This introductory course is for students interested in singing. Students study the fundamental skills of music, sight-singing, proper vocal production, and vocal health. Choral music study involves listening, describing, and evaluating music. Students also study basic vocal health and wellness issues. Any student who loves to sing is welcome to join. Participation in after-school rehearsals and performances is expected. *Prerequisite: None.*

**MIXED CHOIR (INTERMEDIATE)**

This course includes students of varied vocal talents and abilities. Students should have a general understanding of music theory and notation, sight-reading, and a willingness to sing actively each day. Mixed Chorus performs a variety of music ranging from historical choral literature to the music of today. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation*

**MEN'S ENSEMBLE (INTERMEDIATE)****WOMEN'S ENSEMBLE (INTERMEDIATE)**

Each course is designed specifically for male and female singer to improve their vocal skills in a wide range of musical settings. Traditional choral skills of blend, balance, intonation, and phrasing will be learned through the rehearsal and performance of gender specific repertoire. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation*

**CONCERT CHOIR (PROFICIENT\*)**

This course is for students who have demonstrated skill and serious commitment to singing. Students must be able to sing with intonation accuracy and demonstrate advanced knowledge of music theory and sight-reading skills. Concert Choir performs complex music of all styles and varieties. Key components of this course include the ability to listen to, analyze and evaluate musical performances. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation*

**WOMEN'S CHAMBER CHOIR (PROFICIENT\*)****MEN'S CHAMBER CHOIR (PROFICIENT\*)**

Each course is designed for smaller groups of select male and female singers who perform chamber choral music from all traditional and contemporary musical periods. Both Women's and Men's Chamber Choir require high technical and interpretive skills. Students apply the elements of music and musical techniques within a variety of parameters and learn to critique their performance. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation*

**MIXED CHAMBER CHOIR (ADVANCED\*)**

This course utilizes a small performing group of mixed voices, which requires the highest level of technical skill and the ability to perform music in a variety of meters and keys, using both traditional and non-traditional notation. Mixed Chamber Choir students perform with subtle nuances making their work unique, interesting, and expressive. Exploration is highly encouraged to interpret music from personal, cultural, and historical contexts. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation*

**BAND****BAND (BEGINNING)**

This course is an introductory level class for students with no instrumental experience. As a performance-based class, students develop fundamental skills of music, characteristic tone production, terminology, posture, intonation, and expressive skills through ensemble playing and the study of simple band literature. Participation in after-school rehearsals and performances is expected. *Prerequisite: None*

**CONCERT BAND (INTERMEDIATE)**

This course is designed for students who are continuing instrumental music study. Emphasis is placed on the development of musicianship, tone production, and basic skills. Concert Band students study Grade 3-4 band literature. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation.*

**SYMPHONIC BAND (INTERMEDIATE, PROFICIENT\*)**

This course is focused on building aesthetic awareness and technical ability through both solo and ensemble experience. Students apply the elements of music and musical techniques within a variety of parameters and learn to critique their performance. Students develop a high level of musicianship through the study and interpretation of Grade 4-6 literature. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation.*

**WIND ENSEMBLE (PROFICIENT\*, ADVANCED\*)**

This course requires consistent employment of advanced technical and interpretive skills. Students explore rich instrumental repertoire, including compositions with traditional and non-traditional notation, from Grade 5-6. Students analyze musical works for the interaction of elements that make the works unique, interesting, and expressive. Exploration of how music is represented in the 21st century is highly encouraged. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation.*

**JAZZ ENSEMBLE (PROFICIENT\*)**

This course provides band students the opportunity to study and perform various styles and periods of jazz. Emphasis on the development of performance skills and techniques of improvisation assist students in enhanced practice, study, and evaluation of their own work and that of others. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation*

**MARCHING BAND (INTERMEDIATE)****MARCHING BAND (INTERMEDIATE) NO CREDIT**

This course is offered during the first semester only. It is designed to give students an opportunity to participate in a fun, exciting, high profile ensemble. Instruction in musicianship and marching techniques is included. Marching Band requires an extensive rehearsals and performance schedule. Marching band students may perform at football games, parades, and/or competitions.

## ORCHESTRA

### ORCHESTRA (BEGINNING)

This is an introductory level class for students with no instrumental experience. Students develop fundamental skills of music, characteristic tone production, music terminology, posture, bowing, intonation, and expressive skills through ensemble playing and the study of simple orchestral literature. Participation in after-school rehearsals and performances is expected. *Prerequisite: None*

### CONCERT ORCHESTRA (INTERMEDIATE)

This course is designed for students who are continuing music study. Emphasis is placed on the development of intonation, shifting positions, vibrato, bowing and ensemble performance. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation*

### SYMPHONIC ORCHESTRA (INTERMEDIATE, PROFICIENT\*)

This course is focused on building aesthetic awareness and technical ability through both solo and ensemble experience. Top brass, wind, and percussion students join their string counterparts for the full orchestra experience. Students develop a high level of musicianship and the ability to critique their performance. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation*

### CHAMBER ORCHESTRA (PROFICIENT\*, ADVANCED\*)

This course consists of a smaller ensemble of string students who demonstrate a superior level of technical and musical proficiency and the interest in improving these skills to attain the highest level of artistry possible for both the individual and the ensemble. Chamber Orchestra students analyze musical works for the interaction of elements that make the works unique, interesting, and expressive. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation*

## MUSIC THEORY

### MUSIC THEORY I (INTERMEDIATE)

This is a basic course designed to give students an opportunity to study the fundamental aspects of music reading and writing. Students learn to notate music, rhythms, key signatures, time signatures and other elements needed to apply their knowledge. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation*

### MUSIC THEORY II (PROFICIENT\*)

This course builds upon the foundations of music theory study integrating aspects of melody, harmony, texture, rhythm, form, musical analysis, and elementary composition. Musicianship skills such as beginning dictation and other listening skills are also included. *Prerequisite: Music Theory I/Teacher Recommendation*

### AP MUSIC THEORY (ADVANCED\*)

This course is for serious music students to prepare for freshman college theory and/or to expand their musical knowledge. AP Music Theory covers the basic materials and processes of music that are heard or presented in a musical score. Achievement of these goals is approached by addressing fundamental aural, analytical, and compositional skills using both listening and written exercises. *Prerequisite: Music Theory II/Teacher Recommendation*

## THEATRE ARTS

### THEATRE ARTS (BEGINNING)

This is an introductory course for students with little or no theatre arts experience. The course focuses on essential theatre arts vocabulary and the creative process. The fundamentals of speaking, acting, and vocal expression are applied. Students learn fundamental pantomime skills and how to apply the elements of improv in the performance of simple scenes and stories. They explore and analyze formal and informal theatre productions and develop the ability to identify basic technical elements of theatrical production.

### THEATRE ARTS (INTERMEDIATE)

In this course, students explore the use of body language to express human motivations through improvisation. They are able to execute basic acting fundamentals of projection, articulation and vocal expression. Intermediate students analyze dramatic literature including, but not limited to, the 6 elements of Aristotle. They are able to illustrate technical elements of theatrical productions and identify links between storytelling traditions and cultural growth. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation*

### THEATRE ARTS (PROFICIENT\*)

This course offers more detailed course of study as the expectation is that students begin to generate their own characters and create original works such as scenes, monologues or performance pieces. Students analyze full length plays and are able to deconstruct the production process from live performance back to script. Specific United States plays are included for their historical relevance. Aspects of design elements are integrated and applied to solve production challenges. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated proficiency at Intermediate/Teacher Recommendation*

### THEATRE ARTS (ADVANCED\*)

This course is the highest level of study and requires students to apply theatrical elements through the creation of original works and directing performance pieces. Advanced level students use vocal elements to create dialects and learn to perform improvisations using audience prompts. Students analyze a variety of dramatic literature and identify structural elements to differentiate genres. Advanced work includes the production of experimental, culturally significant works of art. Participation in after-school rehearsals and performances is expected. *Prerequisite: Demonstrated proficiency at Proficient/Teacher Recommendation*

### TECHNICAL THEATRE (BEGINNING)

This is an introductory course for students with little or no technical theatre arts experience. This course focuses on essential technical theatre vocabulary and an understanding of roles and responsibilities of a theatre production team. Students study dramatic text in terms of the principles of design and production basics of scenery, costuming, painting, make-up and lighting tools, and safety issues.

### TECHNICAL THEATRE (INTERMEDIATE)

In this course, students develop technical skills through design and production. They generate ideas and assume various roles. Through an understanding of technical elements, students generate a ground plan for specific scripts based on original scenic design ideas. Specific safety issues are covered for use of electrical and power equipment. Technical support for school productions requires participation in after-school rehearsals and performances. *Prerequisite: Demonstrated Proficiency/Teacher Recommendation*

### TECHNICAL THEATRE (PROFICIENT\*)

In this course, students continue their study through more in-depth understanding of scenic design ideals and production. Students evaluate formal and informal theatre productions with regards to production concept, principles of design, and critical analysis. Students at a Proficient level construct flats, platforms, and models and renderings for specific scripts based on original design ideas. Technical support for school productions requires participation in after-school rehearsals and performances. *Prerequisite: Demonstrated proficiency at Intermediate/Teacher Recommendation*

### TECHNICAL THEATRE (ADVANCED\*)

In this course, students work more independently and assume major supervisory roles in production. Students provide feedback for potential designs and construct scale models for implementation. Emphasis is on advanced aspects of design, including costume, make-up, lighting, sound, and production skills. Technical support for school productions requires participation in after-school rehearsals and performances. *Prerequisite: Demonstrated proficiency at Proficient/Teacher Recommendation*

## VISUAL ARTS

### BEGINNING VISUAL ARTS

This course is an introductory survey of visual arts through drawing, painting, printmaking, sculpture and mixed media. Emphasis is on the study and use of Elements of Art and Principles of Design. Students will explore the context of art in our world and begin to develop critical responses. Students will create and maintain an artistic journal. *Prerequisite: None*

### INTERMEDIATE VISUAL ARTS

This course is a continuation of study in visual arts through techniques and processes in the areas of drawing, painting, printmaking, sculpture and mixed media. Emphasis is placed on critical thinking and development of problem-solving skills. Students will begin to take a more personal approach in their art. Conducting critiques, evaluating works of art, and examining the economics of art is explored. Students will maintain an artistic journal and learn the process of maintaining a portfolio. *Prerequisite: Complete K-8 education in Visual Arts; Beginning Visual Arts; or Demonstrated Proficiency.*

### PROFICIENT VISUAL ARTS\*

This course is designed for more in-depth concentrated study of the fine arts. Students will be required to maintain a portfolio of artwork that showcases technical skill and personal style. Students should be self-directed and will actively explore a wide range of techniques and processes. The processes of critiquing, evaluating works of art and examining art in historical and cultural contexts will be conducted. Maintaining an artistic journal is required. *Prerequisite: Demonstrated Proficiency in Intermediate and Teacher Recommendation*

### ADVANCED VISUAL ARTS\*

This course focus is the development of a personal voice and aesthetic in creating art. The advanced student must be self-directed and actively take ownership of their portfolio. Students will engage in personal and peer; formal and informal; oral and written critiques. Maintaining an artistic journal which includes the student's artistic statement and reflection is required. Students will be expected to exhibit their portfolio. *Prerequisite: Demonstrated Proficiency in Proficient and Teacher Recommendation*

## CONTEMPORARY CRAFT & DESIGN

### BEGINNING CONTEMPORARY CRAFT AND DESIGN

The course is an introductory survey of contemporary craft through clay, metal, fiber, paper and other materials. Students will investigate design thinking; study and use Elements of Art and Principles of Design; explore the context of craft and the role of design in our world; begin to develop critical responses; and create and maintain an artistic journal. *Prerequisite: None*

### INTERMEDIATE CONTEMPORARY CRAFT AND DESIGN

This course is a continuation of study in Contemporary Crafts and Design Thinking through clay, metal, fiber, paper and other materials. Student will utilize critical thinking, develop problem-solving skills; conduct critiques; evaluate works of craft; and examine the economics of craft. Students will begin to take a more personal approach in their production of craft while maintaining an artistic journal and craft portfolio. *Prerequisite: Demonstrated proficiency in Beginning Contemporary Craft and Design and Teacher Recommendation.*

### PROFICIENT CONTEMPORARY CRAFTS AND DESIGN\*

The course is a continuation of study and experience in Contemporary Crafts processes and Design Thinking. Students will be required to maintain a portfolio of Crafts work that showcases technical skill and personal style. Students should be self-directed and will actively explore a wide range of techniques and processes. The processes of critiquing, evaluating works of art and examining the relationships between contemporary craft, traditional craft and cultures will be conducted. Maintaining an artistic journal is required. *Prerequisite: Demonstrated Proficiency in Intermediate and Teacher Recommendation*

### ADVANCED CONTEMPORARY CRAFT AND DESIGN\*

The course focus is the development of a personal voice and aesthetic in creating Contemporary Crafts and implementing Design Thinking. The advanced student must be self-directed and actively take ownership of their portfolio. Students will engage in personal and peer; formal and informal; oral and written critiques. Maintaining an artistic journal which includes the student's artistic statement and reflection is required. Students must exhibit their portfolio. *Prerequisite: Demonstrated Proficiency in Proficient and Teacher Recommendation*



## CERAMICS

### BEGINNING CERAMICS

The course is an introductory survey of clay and its position and purpose in art. Students will learn hand-building techniques with low-fire clay; use the Elements of Art and Principles of Design; explore the context of ceramics in our world; begin to develop critical responses and create and maintain an artistic journal. *Prerequisite: None*

### INTERMEDIATE CERAMICS

This course is a continuation of study in Ceramics. Students will learn wheel throwing techniques; begin study of glazing, utilize critical thinking; develop problem-solving skills; conduct critiques; and examine the economics of ceramics. Students will begin to take a more personal approach in their production of ceramics while maintaining an artistic journal and a ceramic portfolio. *Prerequisite: Demonstrated proficiency in Beginning Ceramics and Teacher Recommendation.*

### PROFICIENT CERAMICS\*

This course is a continuation of study and experience in low-fire ceramics. Students will create a portfolio of ceramic work that showcases technical skill and personal style. Glazing and firing techniques will be investigated. The processes of critiquing, evaluating works of art and examining ceramics in a cultural and historical context will be conducted. Maintaining an artistic journal and portfolio is required. *Prerequisite: Demonstrated Proficiency in Intermediate and Teacher Recommendation*

### ADVANCED CERAMICS\*

This course focus is the development of a personal voice and aesthetic in creating ceramic art. The advanced student must be self-directed and actively take ownership of their portfolio. Students will engage in personal and peer; formal and informal; oral and written critiques. Maintaining an artistic journal which includes the student's artistic statement and reflection is required. Students will be expected to exhibit their art. *Prerequisite: Demonstrated Proficiency in Proficient and Teacher Recommendation.*



## PHOTOGRAPHY

*Photography may be offered as Digital Photography or Analog Photography depending on school facilities.*

### BEGINNING PHOTOGRAPHY

Students will learn the basic techniques of photography. This will include the use of a manual SLR 35mm film camera and the darkroom (analog) or Adobe Photoshop (digital). Concern for the basic principles of design and composition elements will be stressed. Students will learn to apply creative problem solving methods as they are introduced to processing, printing and photographing in the studio. Students will explore the context of photography in our world and begin to develop critical responses. *Prerequisite: None*

### INTERMEDIATE PHOTOGRAPHY

This course is a continuation of study in the art of photography. Students will enhance visual perception through the process of photography; develop an in-depth knowledge of photographic equipment, specialized processes and developing techniques; be introduced to concrete and conceptual themes; utilize critical thinking; develop problem-solving skills; conduct critiques; and examine the economics of photography. Students will begin to take a more personal approach in their photography while maintaining an artistic journal and portfolio. *Prerequisite: Demonstrated proficiency in Beginning Photography and Teacher Recommendation.*

### PROFICIENT PHOTOGRAPHY \*

Students will set photography learning goals and devise means for achieving these goals in a directed studio situation. The process of critiquing, evaluating, and examining photography and its relationship to cultures will be conducted. Students will be expected to maintain a portfolio and artistic journal. *Prerequisite: Demonstrated Proficiency in Intermediate and Teacher Recommendation.*

### ADVANCED PHOTOGRAPHY \*

Students will develop a personal voice and aesthetic in creating a photographic body of work that reflects personal choices and growth over time as an artist. Students will engage in personal and peer; formal and informal; oral and written critiques. Students are expected to maintain a photographic portfolio and an artistic journal including the student's artistic statement and reflection. *Prerequisite: Demonstrated Proficiency in Proficient and Teacher Recommendation.*

## ART HISTORY

### ART HISTORY (PROFICIENT\*)

Students study architecture, sculpture, painting, drawing, printmaking and other art forms within a historical, cultural and temporal context. Students will examine concepts, themes and styles in art. Reading and writing skills are emphasized in learning to analyze and critique art based on established criteria. *Prerequisite: None*

### AP ART HISTORY

Students learn to critically analyze works of art within diverse historical and cultural contexts, considering issues such as politics, religion, patronage, gender, and ethnicity; explore architecture, sculpture, painting and other media from a variety of cultures; articulate visual and art historical concepts in verbal and written form; investigates and evaluate works of art through observation, discussion, reading and research. Students must possess a high degree of skill in reading, writing, speaking and listening to meet college standards. *Prerequisite: None, but study of Art through an Art History course or Visual Arts Course is recommended prior to taking this course. Prerequisite: None, but study of Art through an Art History course or Visual Arts course is recommended prior to taking this course. This course is partially aligned with AP World History.*

## AP STUDIO COURSES

### AP STUDIO ART DRAWING

This course follows the outline as provided by the Advanced Placement Program. Students will develop an advanced drawing technique and conceptual portfolio which contains quality, breadth, and concentration sections. Students will engage in critiques of their own and peers' art. Student must be self-motivated and exhibit perseverance in completing their portfolio. *Prerequisite: Teacher Recommendation and Visual Arts Proficient.*

### AP STUDIO ART 2-D DESIGN

This course follows the outline as provided by the Advanced Placement Program. Students will develop an advanced technique and conceptual portfolio which contains quality, breadth, and concentration sections. 2-D portfolios may be accomplished through a variety of processes learned in Photography, Contemporary Craft and Design, and Visual Art. Students will engage in critiques of their own and peers' art. Students must be self-motivated and exhibit perseverance in completing their portfolio. *Prerequisite: Teacher Recommendation and demonstrated proficiency in Visual Arts Proficient, Photography Proficient, or Contemporary Craft and Design Proficient.*

### AP STUDIO 3-D DESIGN

This course follows the outline as provided by the Advanced Placement Program. Students will develop an advanced technique and conceptual portfolio which contains quality, breadth, and concentration sections. 3-D portfolios may be accomplished through a variety of processes learned in Ceramic, Contemporary Craft and Design, and Visual Arts. Students will engage in critiques of their own and peers' art. Students must be self-motivated and exhibit perseverance in completing their own portfolio. *Prerequisite: Teacher Recommendation and demonstrated proficiency in Visual Arts Proficient, Ceramics Proficient or Contemporary Craft and Design Proficient.*

## ENGLISH COURSES

<b>English</b> English I* English I Honors* English II* English II Honors* English III* English III Honors* English III w/ AP Lang. & Comp.*	English IV* English IV Honors* English IV w/ AP Lit. & Comp.* <b>Electives</b> Creative Writing Speech & Debate I	Speech & Debate II Honors Speech & Debate III Honors Speech & Debate IV Film as Literature Foundations of English I Foundations of English II Literacy Internship	Journalism I* Journalism II Honors Journalism III Honors Journalism IV Yearbook I Yearbook II Yearbook III Yearbook IV
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\*These courses are also available as online courses.

**ENGLISH I**

Students read, write, analyze and respond to a variety of literature genres. Critical thinking, research, grammar, and language skills are also important components of English I.

**ENGLISH II**

Students read, analyze, and respond to world literature. Writing, critical thinking, research, grammar, and language skills are also important components of English II.

**ENGLISH III**

Students read, analyze, and respond to American literature. Writing, critical thinking, grammar, and language skills are emphasized. The research paper component of the Graduation Project is completed during English III.

**ENGLISH III W/ AP LANGUAGE AND COMPOSITION**

In addition to the requirements of English III, students study nonfiction prose style and rhetorical techniques based on selections from, but not limited to, essays, diaries, journals, letters, speeches, biographies, and autobiographies. Writing stresses the aims and modes of composition as well as argumentation.

**ENGLISH IV**

Students read, analyze, and respond to British literature. Writing, critical thinking, grammar, and language skills are emphasized. The product, presentation, and portfolio components of the Graduation project are completed during English IV.

**ENGLISH IV W/ AP LITERATURE AND COMPOSITION ENGLISH**

In addition to the requirements of English IV, students critically read and analyze fiction, drama, and poetry with appropriate, rigorous writing assignments.

## ENGLISH LANGUAGE DEVELOPMENT

NOVICE	INTERMEDIATE	ADVANCED
ELD 9 Novice ELD 10 Novice ELD 11 Novice ELD 12 Novice	ELD 9 Intermediate ELD 10 Intermediate ELD 11 Intermediate ELD 12 Intermediate	Advanced ESL students may select from the following courses: Foundations of English 9,10,11,12 SI English 9, 10, 11,12

## ENGLISH LANGUAGE ARTS

NOVICE	INTERMEDIATE	ADVANCED
English I ESL Novice English II ESL Novice English III ESL Novice English IV ESL Novice	English I ESL Intermediate English II ESL Intermediate English III ESL Intermediate English IV ESL Intermediate	Advanced ESL students may select from the following courses: Sheltered Instruction English 9, 10, 11,12

## PERSONALIZED ACADEMIC COMMAND OF ENGLISH (PACE)

NOVICE	INTERMEDIATE	ADVANCED
SI Language Lab Novice	SI Language Lab Intermediate	SI Language Lab Advanced

**SHELTERED INSTRUCTION (SIOP) COURSES**

Sheltered Instruction promotes academic achievement for English Learners by providing grade-level, content-area concept while simultaneously developing English language proficiency. Sheltered Instruction techniques include: emphasis on key vocabulary, use of group work and hands-on activities, use of supplementary materials (visuals, bilingual dictionaries), teacher modeling, multimedia tools, demonstrations, and explicit instruction of the English language together with academic content.

**ENGLISH AS A SECOND LANGUAGE COURSES FOR HIGH SCHOOL**

CMS provides the English as a Second Language program (ESL) at all high schools. To be eligible for the ESL program, students must have a language other than English in their background and qualify for services based on the English Language Proficiency test (WAPT, WIDA screener & ACCESS). ESL program goals are to help students obtain English language proficiency and to meet age and grade appropriate academic achievement standards for grade promotion and graduation. ESL classes are taught in English. Special instructional materials are provided. English Language Development courses may be scheduled as companion courses with core content and SIOP courses. Students are placed in the correct program of study according to English Language Proficiency as established by the ACCESS or W-APT/WIDA screener test, transcripts, educational background and teacher recommendations. Parents please communicate with school counselors regarding student course placement.

**ENGLISH LANGUAGE DEVELOPMENT COURSES (ELD)**

Students will engage in integrated and intentional instruction to promote high levels of English language proficiency in the domains of speaking, listening, reading, and writing. Students will develop both academic language skills and social communication within the WIDA Standards Framework. The course curriculum is grounded in state content standards in science, math, social studies, and ELA to provide scaffold grade-level content to support the students in building their academic knowledge at their level of language proficiency. The inquiry-based units are designed to motivate students' desire to learn through authentic investigation and choice of differentiated texts.

**ESL LANGUAGE ARTS COURSES**

Students are grouped by English proficiency into Novice or Intermediate ESL/English Language Arts courses. These courses are instructed by highly qualified teachers with dual certification in ESL and ELA. These courses follow the Essential Standards for English Language Arts and the North Carolina WIDA Standards Framework. Lesson delivery is adapted through the use of visuals, collaborative learning, discussion and modified language to meet the needs of the English language learner.



## HIGH SCHOOL PERSONALIZED ACADEMIC COMMAND OF ENGLISH COURSE

Students in the Personalized Academic Command of English (PACE) course develop foundational social and academic vocabulary to help them function in English in high school courses and access the materials and standards for content courses they are enrolled in. This course gives targeted, individualized support for Novice Newcomers and SIFE students through digital academic content modules, through designated support time for homework, and through small group and one-on-one learning activities led by the ESL instructor.

## SHELTERED INSTRUCTION (SI) COURSES

Sheltered Instruction promotes academic achievement for English Learners by providing grade-level, content-area concepts while developing English language proficiency. Techniques include emphasis on key vocabulary, use of group work and hands-on activities, use of supplementary materials (visuals, bilingual dictionaries), teacher modeling, multimedia tools, and explicit instruction of the English language in conjunction with academic content.



The following courses do not fulfill the English requirements for graduation.

### CREATIVE WRITING

In this composition course, students focus on narrative, expository, and illustrative experiences in many different genres of writing. Students produce written, oral, visual, and digital texts to express, develop, and substantiate individual experiences.

### FILM AS LITERATURE

In order to develop a keen understanding of the art of filmmaking, students will analyze film from a literary perspective but also from a cinematic perspective.

### SPEECH & DEBATE I

Students will explore a wide variety and range of public speaking skills, basic researching, argumentation, questioning, and rebuttal skills, create and deliver orations, and evaluate performances. Students also have the opportunity to participate in local and state level Speech and Debate (Forensic) competitions.

### SPEECH & DEBATE II

Students further develop skills learned in Speech & Debate I. They learn advanced techniques of public speaking and debate and work independently on an area of specialization for competition. Students are expected to participate in local and state level Speech and Debate competitions.

### HONORS SPEECH & DEBATE III

Students expand public speaking and forensic skills learned in Speech and Debate II. Emphasis is placed on application of content within and across curricular areas. Honors activities may include required and/or advanced reading lists, writing assignments, projects, portfolio assessments, seminar and performance. Students are expected to participate in local and state level Speech and Debate competitions.

### HONORS SPEECH AND DEBATE IV

Students expand fundamental and advanced skills learned in Honors Debate III, learn principles of leadership and coaching techniques as well as demonstrate superior skills of analysis and evaluation of classmates and teammates. Honors activities may include required and/or advanced activities similar to Honors Speech and Debate III. Students are expected to participate in local and state level Speech and Debate competitions.

### FOUNDATIONS OF ENGLISH I

Students focus on improving reading, writing, language, grammar, and research skills necessary for academic success in English I.

### FOUNDATIONS OF ENGLISH II

Students focus on improving reading, writing, language, grammar, and research skills necessary for academic success in English II.

### LITERACY INTERNSHIP

Students focus on improving reading comprehension skills that are necessary for academic success in all content areas.

### JOURNALISM I

Students learn basic aspects of journalistic techniques and assist in the production of student newspaper publications.

### HONORS JOURNALISM III

Students address all aspects of journalistic techniques by being responsible for writing articles and publishing the student newspaper.

### HONORS JOURNALISM III

Students produce the student newspaper. Classwork includes all aspects of advanced journalistic techniques and extensive independent assignments.

### HONORS JOURNALISM IV

Students use advanced design and layout techniques, write extensive, quality copy free of errors, edit and revise other students' copy and layouts, serve as organizational planners for soliciting advertisements and for the distribution of the school newspaper.

### YEARBOOK I

Students learn basic photography, layout, and copy writing and assist in the production of the school yearbook.

### YEARBOOK II

Students learn advanced layout and design and produce the school yearbook.

### YEARBOOK III

Students write extensively and serve as senior editors in the production of the school yearbook.

### YEARBOOK IV

Students use advanced design and layout techniques, write extensive, quality copy free of errors, edit and revise other students' copy and layouts, serve as organizational planners for soliciting advertisements and for the sale and distribution of the school yearbook.

**WORLD LANGUAGES COURSES**

Arabic I* Arabic II* Honors Arabic III Honors Arabic IV Honors Arabic V	Chinese I* Chinese II* Honors Chinese III* Honors Chinese IV* IB SL I Chinese Chinese V AP Language* IB SL II Chinese	French I* French II* Honors French III * Honors French IV * IB SL I French French V AP Language* IB SL II French IB HL I French IB HL II French	German I* German II * Honors German III * Honors German IV * IB SL I German German V AP Language* IB SL II German IB HL I German IB HL II German	Japanese I* Japanese II* Honors Japanese III Honors Japanese IV IB SL I Japanese Japanese V AP Language IB SL II Japanese	Latin I * Latin II* Honors Latin III * AP Latin IV IB SL I Latin IB SL II Latin	Spanish I* Spanish II* Spanish for Native Speakers I Honors Spanish III* Honors Spanish for Native Speakers II Honors Spanish IV* IB SL I Spanish Spanish V AP Language* IB SL II Spanish IB HL I Spanish Spanish VI AP Literature IB HL II Spanish UNCC High Flyers Courses: French, German, Spanish
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**Courses in a sequence require successful completion of the previous course before taking the next higher level course.**  
 IB, SL, and HL courses are the 11th and 12th grade Diploma Level courses at the IB high schools.  
 \*These courses are also available as online courses

**WORLD LANGUAGES**

**ARABIC I, FRENCH I, GERMAN I, JAPANESE I, CHINESE I, SPANISH I**

Level I of world language study develops the listening, speaking, reading and writing skills needed for basic communication. Emphasis is given to the development of listening and speaking skills. Geography and cultures of the target language are taught as an integral part of language study. Classes are conducted primarily in the target language.

*Heritage speakers or students who have lived abroad may be placed into higher levels of language without taking a prerequisite, based on a proficiency assessment. These students are not awarded credit for the level(s) they may skip.*

**ARABIC II, FRENCH II, GERMAN II, JAPANESE II, MANDARIN CHINESE II, SPANISH II**

Level II of world language study continues the development of language skills. Culture is integrated as an on-going part of language study. Classes are conducted primarily in the target language. *Prerequisite: Level I parts 1 and 2/ parts A and B or full year Level I of the same World Language.*

**HONORS ARABIC III, HONORS FRENCH III, HONORS GERMAN III, HONORS JAPANESE III, HONORS MANDARIN CHINESE III, HONORS SPANISH III**

Level III of world language study further develops the communication skills introduced in levels I and II. Cultural study is expanded to include information about the art, music, and literature of the cultures studied. Classes are conducted in the target language. *Prerequisite: Level II of the same world language or Spanish for Native Speakers I.*

**HONORS ARABIC IV, HONORS FRENCH IV, HONORS GERMAN IV, HONORS JAPANESE IV, HONORS MANDARIN CHINESE IV, HONORS SPANISH IV**

Level IV of world language study continues the development of language skills, study of history and introduction to literary works. This course is conducted in the target language. Students participate in activities that require them to use language for meaningful communication with others who speak the language. *Prerequisite: Level III of the same world language or Spanish for Native Speakers II.*

**FRENCH V, GERMAN V, JAPANESE V, MANDARIN CHINESE V, SPANISH V - AP LANGUAGE AND CULTURE**

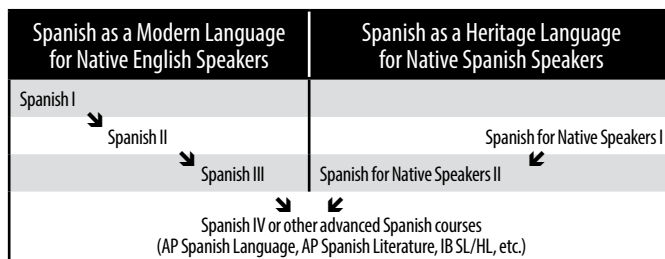
AP world language courses follow a prescribed course of study designed by the College Board that prepares students to take the AP language exam. This course is conducted in the target language. Students participate in activities that require them to use language for meaningful communication with others who speak the language. *Prerequisite: Level IV of the same world language or teacher recommendation.*

**SPANISH VI - AP SPANISH LITERATURE**

AP Spanish Literature follows a prescribed course of study outlined by the College Board with an introduction to the works of selected authors from the target cultures. This course prepares students for the AP literature exam. *Prerequisite: AP Language Level V or teacher recommendation.*

**SPANISH FOR NATIVE SPEAKERS I**

Spanish for Spanish Speakers is designed to enhance reading and writing skills of students whose heritage language is Spanish. The course also provides Spanish speakers with the opportunity to read and discuss various genres of literary works. In addition, students focus on current events as they affect Spanish-speakers throughout the world. This course prepares students for Honors Spanish for Native Speakers II. *Prerequisite: Spanish as a heritage language or teacher recommendation*



**HONORS SPANISH FOR NATIVE SPEAKERS II**

Honors Spanish for Native Speakers II is a continuations language arts course in Spanish designed to improve heritage/immersion speakers' literacy skills. This course prepares students for Honors Spanish IV and above. *Prerequisite: Spanish for Native Speakers I or teacher recommendation*

**LATIN I**

Latin I develops an understanding of Latin grammar and classical culture with an overview of everyday customs, traditions, art and history of Roman times. The course emphasizes a strong vocabulary base of Latin words and word parts and their influence on the English language.

**LATIN II**

Latin II continues the development of the skills introduced in Latin I and helps students to develop a deeper understanding of classical Roman culture. *Prerequisite: Latin I*

**LATIN III HONORS**

Latin III reviews vocabulary and grammatical constructions. Students read selections from various Latin authors. *Prerequisite: Latin II*

**AP LATIN**

AP Latin follows a prescribed sequence of study developed by the College Board. Emphasis is given to reading, translation, meter, scansion, figures of speech and pertinent Roman culture which prepares the student for the AP Latin exam. *Prerequisite: Latin III*

**UNCC HIGH FLYERS COURSES - FRENCH, GERMAN, SPANISH**

These UNCC courses are for advanced World Language students who have exhausted the course offerings in their language(s) at their high school. The courses are offered on the UNCC campus. For applications and additional information, please contact your school counselor or the CMS Advanced Studies office. *Prerequisite: Successful completion of Honors Level IV of the same world language.*

**WORLD LANGUAGE CREDIT: '18-'19 SCHOOL YEAR**

- A rising 9th grade student may have already earned one world language credit by successfully completing both level I parts 1 and 2 or A and B in middle school. This sequence taken in middle school will not impact their high school GPA, although the grade will still be reflected on their transcript. The student should then continue their sequence into the next level of a world language.
- A rising 9th grade student who only successfully completed one part of the two-year world language sequence in middle school or any of the non-credit middle school courses will not have earned any high school world language credit.
- A rising 9th grade student coming from a K-8 World Languages immersion program may have earned two credits (or more) in world language courses during middle school, and should continue their sequence in the appropriate honors world language courses. This is usually Honors Level III or Honors Level IV.



## HEALTH AND PHYSICAL EDUCATION COURSES

**Required**  
Health & Physical Education

\*These courses are also available as online courses.

### NC HEALTH AND PHYSICAL EDUCATION REQUIRED COURSE DESCRIPTIONS

The Health Education essential standards include behavior and skill development in five strands, Mental/ Emotional Health, Alcohol/Tobacco/ Other Drugs, Nutrition/Physical Activity, Interpersonal Communication and Relationships (RHASE) and Personal/ Consumer Health. The Reproductive Health and Safety Education curriculum is part of our local curricula meeting state standards (House Bill 88).

*Note: Parental permission is required for a student to be exempt from the Reproductive Health and Safety Education (RHASE) unit. The form "Parent/ Guardian Request for Student Exemption from Reproductive Health and Safety Education (RHASE) Unit" will be made available prior to instruction.*

The Physical Education essential standards require moderate to vigorous physical activity (MVPA) developing across four strands, Motor Skills, Movement Concepts, Health Related Fitness and Personal/Social Responsibility. Additionally, students will meet the high school CPR graduation requirement by successfully completing a CPR skills test during the required Health and PE course.

#### NC HIGH SCHOOL HEALTH AND PHYSICAL EDUCATION GRADUATION REQUIREMENT

This required course for graduation is a combination of two content areas: health education and physical education. The intent of this course is to develop the knowledge and skills to be physically active, eat nutritiously, access reliable health information and service, communicate effectively, and set-health enhancing goals for a lifetime.



## PHYSICAL EDUCATION ELECTIVE COURSE DESCRIPTIONS

### CARDIO AND CORE CONDITIONING (BEGINNER, INTERMEDIATE, ADVANCED AND ELITE)

Cardio and core conditioning class emphasizes constantly-varied, high-intensity functional movement. Focus is on cardiovascular endurance, stamina, strength, flexibility, power, speed, coordination, agility, and balance to maximize performance and fitness. *Additionally, students will monitor their fitness levels by participating in a fitness assessment throughout the semester.*

### STRENGTH TRAINING (BEGINNER, INTERMEDIATE, ADVANCED AND ELITE)

This class is designed to build strength, add definition, increase your bone density, and decrease your body fat by increasing your lean muscle. Research has proven by adding lean muscle to the body you can speed up your metabolism and burn more calories when you work out and at rest. You will use hand weights, plate loaded barbells, tubing and your own body weight to change the shape of your body. You will work every muscle in your body! *Additionally, students will monitor their fitness levels by participating in a fitness assessment throughout the semester.*

### GROUP FITNESS (BEGINNER, INTERMEDIATE, ADVANCED AND ELITE)

High intensity cardio intervals combined with strength and flexibility exercises to give your body a complete workout. Participants will get their heart rate up and tone every muscle in their body during this class. *Additionally, students will monitor their fitness levels by participating in a fitness assessment throughout the semester.*

### LIFETIME SPORTS

Lifetime sports are physical activities people can enjoy throughout their lives. Lifetime sports are less strenuous sports such as tennis, badminton, and archery are suitable for people in all stages of life and can serve as physical and social outlets. *Additionally, students will monitor their fitness levels by participating in a fitness assessment throughout the semester.*

### TEAM SPORTS

Team sports class emphasizes participation in several team sports. Students will spend time learning the rules and regulations of each sport, practicing the skills to be successful at each sport, taking leadership roles as captains or officials, as well as compete in games and contests. *Additionally, students will monitor their fitness levels by participating in a fitness assessment throughout the semester.*

### SPORTS MEDICINE I

The purpose of this course is to introduce students to Sports Medicine and Athletic Training careers by recognizing the roles and responsibilities associated with these professions.

### SPORTS MEDICINE II

The purpose of this course is to build on the concepts in Sports Medicine I by providing an overview of the measures for the recognition, assessment and evaluation of athletic related injuries. *Prerequisite: Adequate performance in Sports Medicine 1 and passing Health and PE.*

### SPORTS MEDICINE III

The purpose of this course is to continue building on the concepts in sports medicine I and II. It will provide an overview of the measures for injury prevention, rehabilitation and management of athletic related injuries. *Prerequisite: successfully passing Sports Medicine 2 with A/B grade, obtain instructor approval to enter into the course.*

### SPORTS MEDICINE IV

The purpose of this course is to provide independent study and hands-on training as a Sports Medicine Student Assistant. Students will be required to complete a minimum of 50 contact hours per quarter for this course. *Prerequisite: Successfully passing Sports Medicine 3 with A/B grade, you must have reliable, consistent after school transportation and obtain instructor approval to enter into the course.*

## MATHEMATICS COURSES

Foundations of NC Math 1 Foundations Of NC Math 1 SI NC Math 1* NC Math 1 SI Foundations of NC Math 2 Foundations of NC Math 2 SI NC Math 1 Honors*	NC Math 2* NC Math 2 SI NC Math 2 Honors* Foundations of NC Math 3 NC Math 3* NC Math 3 Honors* Advanced Functions & Modeling*	Pre-Calculus* Discrete Mathematics Essentials for College Math (SREB) Statistics AP Statistics AP Calculus AB AP Calculus BC*	IB Math Methods 1 IB Math Methods 2 IB Math Studies 1 IB Math Studies 2 IB Math High Level 1 IB Math High Level 2
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\*These courses are also available as online courses

**The following chart shows some of the sequences of mathematics courses. Each student is urged to consult with their mathematics teacher and counselor concerning the course in which he or she might attain the most knowledge and success.**

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Foundations of NC Math 1 / NC Math 1	Foundations of NC Math 2 / NC Math 2	Foundations of NC Math 3 / NC Math 3	Essentials for College Math (SREB), Advanced Functions & Modeling
NC Math 1, NC Math 1 Honors	NC Math 2, NC Math 2 Honors	NC Math 3, NC Math 3 Honors	Essentials for College Math (SREB), Advanced Functions & Modeling, Discrete Math
NC Math 2	NC Math 3	Advanced Functions & Modeling, Pre-Calculus	AP Calculus AB/BC, AP Statistics, Discrete Math- Honors
NC Math 2 - Honors	NC Math 3, NC Math 3 Honors	Pre-Calculus	AP Calculus AB, AP Calculus BC, AP Statistics
NC Math 3 - Honors	Pre-Calculus	AP Calculus AB, AP Calculus BC, AP Statistics	AP Calculus AB, AP Calculus BC, AP Statistics or College-level courses

### MATHEMATICS COURSE DESCRIPTIONS

#### FOUNDATIONS OF MATH 1, FOUNDATIONS OF MATH 2, AND FOUNDATIONS OF MATH 3

These courses cover topics to better prepare students for NC Math 1, NC Math 2 and NC Math 3. Beginning with entering ninth grade students in 2009, students will earn elective credit, not math credit for successful completion of these courses. Foundations of Math 2 and Foundations of Math 3 are available upon teacher recommendation.

#### NC MATH 1, NC MATH 1 HONORS

This course provides students the opportunity to study concepts of algebra, geometry, functions, number and operations, statistics and modeling throughout the course. These concepts include expressions in the real number system, creating and reasoning with equations and inequalities, interpreting and building simple functions, expressing geometric properties and interpreting categorical and quantitative data.

#### NC MATH 2, NC MATH 2 HONORS

This course continues a progression of the standards established in Math 1. In addition to these standards, NC Math 2 includes: polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusions.

#### NC MATH 3, NC MATH 3 HONORS

This course progresses from the standards learned in NC Math 1 and NC Math 2. In addition to these standards, NC Math 3 extends to include algebraic concepts such as: the complex number system, inverse functions, trigonometric functions and the unit circle. NC Math 3 also includes the geometric concepts of conics and circles.

#### ESSENTIALS FOR COLLEGE MATH (SREB)

This course emphasizes understanding of math concepts rather than just memorizing procedures. Students learn the context behind the procedure: why to use a certain formula or method to solve a problem, for example. It equips students them with higher-order thinking to apply math skills, functions and concepts in different situations. This course will target students who traditionally go into Advanced Functions and Modeling (AFM), but struggle. It will count as a fourth math credit meeting the University System Requirements. This course prepares students for college-level math assignments based on the content. (Not designed to prepare students for college-level math in STEM majors).

#### ADVANCED FUNCTIONS AND MODELING

An in-depth study of modeling and applying functions. Home, work, recreation, consumer issues, public policy, and scientific investigations are just a few of the areas from which applications should originate.

*Prerequisite: NC Math 3*

#### DISCRETE MATHEMATICS

A study of the mathematics of networks, social choice, and decision making. The course extends students' application of matrix arithmetic and probability. Honors includes in-depth investigations of elections and apportionment.  
*Prerequisite: NC Math 3*

#### PRE-CALCULUS

An honors-level study of trigonometry, advanced functions, analytic Math 2, and data analysis in preparation for calculus. Applications and modeling should be included throughout the course of study.

*Prerequisite: NC Math 3 or NC Math 3 Honors*

#### AP STATISTICS

An introduction to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will observe patterns and departures from patterns, decide what and how to measure, produce models using probability and simulation, and confirm models. *Pre-calculus or NC Math 3 Honors*

#### AP CALCULUS AB

A study of the concepts of calculus including functions, graphs, limits, derivatives and integrals and provides experience with its methods and applications. Course follows the College Board syllabus. *Prerequisite: Pre-Calculus*

#### AP CALCULUS BC

A study of the concepts of calculus including functions, graphs, limits, derivatives, integrals, and polynomial approximations and series. Course follows the College Board syllabus. *Prerequisite: Calculus AB*

**Math courses with NC Math 2 as a prerequisite that meet the new UNC minimum course requirement:**

- Discrete Mathematics
- IB Mathematics
- Advanced Functions and Modeling
- Essentials for College Math

*College Board, Advanced Placement Program, and AP are registered trademarks of the College Entrance Examination Board.*

#### SHELTERED INSTRUCTION (SI) MATH COURSES

Sheltered Instruction promotes academic achievement for English Learners by providing grade-level, content-area concepts while developing English language proficiency. Techniques include emphasis on key vocabulary, use of group work and hands-on activities, use of supplementary materials (visuals, bilingual dictionaries), teacher modeling, multimedia tools, and explicit instruction of the English language in conjunction with academic content.

*\*These courses are also available through NCVPS.*

## SCIENCE COURSES

<p><b>Earth/Environmental Science Offerings</b> (any of these meet the graduation requirement)</p> <p>Earth/Environmental Science* Earth/Environmental Science SI Earth/Environmental Science Honors* AP Environmental Science*</p>	<p><b>Biological Sciences Offerings</b> (any one of the courses below fulfills the graduation requirement)</p> <p>Biology 1* Biology SI Honors Biology 1* AP Biology (2 periods)*</p>	<p><b>Physical Science Offerings</b> (any one of the courses below fulfills the graduation requirement)</p> <p>Physical Science* Chemistry 1 Chemistry 1 Honors* Physics Physics Honors AP Chemistry (2 periods) AP Physics 1 or 2 (2 periods)*</p>	<p><b>Science Electives</b></p> <p><b>These courses do not fulfill graduation requirements.</b> Greenhouse Biology Anatomy and Physiology Honors* Astronomy Oceanography / Marine Science Forensic Science Honors</p>
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\*These courses are also available as online courses

Science courses required for high school graduation: • Biology • A physical science course • An earth/environmental science course

### SCIENCE COURSE DESCRIPTIONS

#### EARTH/ENVIRONMENTAL SCIENCES, SI

EARTH/ENVIRONMENTAL SCIENCE, EARTH/ENVIRONMENTAL SCIENCE HONORS (OR AP ENVIRONMENTAL SCIENCE)

*Fulfills the Earth/Environmental Science graduation requirement*

This course is laboratory-based science class emphasizing the function of the earth's systems. Emphasis is placed on the human interactions with the earth's geologic and environmental systems, predictability of a dynamic earth, origin and evolution of the earth system and universe, geochemical cycles and energy in the earth system.

#### ASTRONOMY

This course acquaints students with astronomy concepts including basic facts about the Earth, moon, and stars. Also included for study are galaxies, cosmology, and space exploration. This is a science elective course and is not required for graduation credit.

#### OCEANOGRAPHY/MARINE SCIENCE

Emphasizes the interrelationships of physical geography, chemistry, geology and biological studies in the ocean environment. This is a science elective course and is not required for graduation credit.

#### BIOLOGICAL SCIENCES

BIOLOGY I, BIOLOGY I HONORS, IBMYP BIOLOGY, SI

*Fulfills the biology graduation requirement.*

This course is laboratory-based science class in which students will study the cell, the molecular basis of heredity, biological evolution, interdependence of organisms, matter and energy, and organization in living systems and the behavior of organisms.

#### HUMAN ANATOMY AND PHYSIOLOGY HONORS

This course studies the structure and function of the human body with emphasis placed upon the concepts that help correlate the principals of structure and function. This is a science elective course and is not required for graduation credit. *Prerequisite: Biology*

#### FORENSIC SCIENCE HONORS

Forensic science is the application of basic biological, chemical and physical science principles in the investigation of crime scenes. Students will learn how to observe, collect, analyze and evaluate evidence. Some of the many topics covered are fingerprint analysis, hair and fiber comparison, serology and crime scene analysis. This is a science elective course and is not required for graduation credit.





### AP SCIENCE COURSES

#### **Biology AP (2 periods)**

Students will learn the conceptual framework, factual knowledge and analytical skills to deal critically with the rapidly changing science of biology.

*Prerequisites: Biology I, Chemistry I*

#### **Chemistry AP (2 periods)**

Students will learn the conceptual framework, factual knowledge and analytical skills to deal critically with the science of chemistry.

*Prerequisites: Math II, Biology I, Chemistry I*

#### **Physics 1 Mechanics AP (2 periods)**

Students will learn the conceptual framework, factual knowledge and analytical skills to deal critically with the science of mechanical physics. *Prerequisite: Math II*

#### **Physics 2 Electricity & Magnetism AP (2 periods)**

Students will learn the conceptual framework, factual knowledge and analytical skills to deal critically with the science of electricity and magnetism in physics.

*Prerequisites: Math II, Physics 1 AP or a previous introductory course in Physics (Physics or Physics Honors)*

#### **Environmental Science AP (1 period)**

Students will learn the conceptual framework, factual knowledge and analytical skills to deal critically with the rapidly changing environment of earth.

*Prerequisites: Math I, Biology I, Chemistry I*

**Note: All two period AP science classes will earn one science credit and two quality points.**

#### **GREENHOUSE BIOLOGY, SI**

A lab-based course that is the overview study of plant structure and function. In the course, students learn not only the basic scientific knowledge, but also economic importance and how to manage basic plant care and propagation. Greenhouse Biology should be taken in the fall and followed by Biology I in the spring, or can be paired with Biology on an A/B day schedule. The syllabus and pacing guide have been created to prepare students to be successful in Biology I.

#### **PHYSICAL SCIENCES (1 IS REQUIRED FOR GRADUATION)**

##### **PHYSICAL SCIENCE, SI**

This course is laboratory-based science class in which students will study the principles of chemistry and physics that include matter, energy, structure of atoms, chemical reactions, forces, and motion.

##### **CHEMISTRY I, CHEMISTRY I HONORS, MYIB CHEMISTRY**

This course is a laboratory-based science class in which students will study the structure and properties of matter as they explore chemical reactions, the structure of atoms, conservation and interactions of energy and matter. *Prerequisites: Math I, NC Math 2 Concurrent. This is the recommended physical science course for college/university admission.*

##### **PHYSICS, PHYSICS HONORS, MYIB PHYSICS (OR AP PHYSICS 1)**

This course is a laboratory-based science class in which students will study the fundamentals of the physical world of matter, energy, basic mechanics and particle physics. *Prerequisites: Math II. This is a recommended physical science course for college/university admission.*

#### **AP SCIENCES - ALL 2 PERIOD AP SCIENCE CLASSES WILL EARN 1 SCIENCE CREDIT AND 2 QUALITY POINTS**

##### **ENVIRONMENTAL SCIENCE AP -1 PERIOD**

This science class is the equivalent to a first-semester college course in Environmental Science. This laboratory-based science class emphasizes the application of scientific concepts to the understanding and solution of environmental problems. This course fulfills the Earth/Environmental Science Graduation requirement. *Prerequisites: Math I, Biology I, Chemistry I*

##### **BIOLOGY AP - 2 PERIODS**

This science class is the equivalent to a first-semester college course in Biology. This laboratory-based science class emphasizes the conceptual framework, factual knowledge and analytical skills to deal critically with the rapidly changing science of biology. *Prerequisites: Biology I, Chemistry I*

##### **CHEMISTRY AP - 2 PERIODS**

This science class is the equivalent to a first-semester college course in Chemistry. This laboratory-based science class emphasizes an understanding of the fundamentals of chemistry and competence in dealing with chemical problems. Strong emphasis is placed on laboratory work and analysis of data. *Prerequisites: Math II, Biology I, Chemistry I*

##### **PHYSICS 1 MECHANICS AP - 2 PERIODS**

This science class is the equivalent to a first-semester college course in algebra based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, power, mechanical waves and sound. It will introduce electrical circuits. Strong emphasis is placed on laboratory work and analysis of data. An AP exam will be given at the end of the course. *Prerequisites: Math II, No prior course work in Physics is necessary*

##### **PHYSICS 2 ELECTRICITY & MAGNETISM AP - 2 PERIODS**

This science class is the equivalent to a second-semester college course in algebra based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. Strong emphasis is placed on laboratory work and analysis of data. An AP exam will be given at the end of the course. *Prerequisites: Math II, Physics 1 AP or a previous introductory course in Physics*

#### **SHELTERED INSTRUCTION (SI) SCIENCE COURSES**

Sheltered Instruction promotes academic achievement for English Learners by providing grade-level, content-area concepts while developing English language proficiency. Techniques include emphasis on key vocabulary, use of group work and hands-on activities, use of supplementary materials (visuals, bilingual dictionaries), teacher modeling, multimedia tools, and explicit instruction of the English language in conjunction with academic content.

*\*These courses are also available through NCVPS.*

## SOCIAL STUDIES COURSES – ESSENTIAL STANDARDS

<p><b>Required Courses:</b> World History*, World History SI, Honors World History* or AP World History* – 9th Grade</p> <p>American History, the Founding Principles, Civics and Economics; American History, the Founding Principles, Civics and Economics SI; or Honors American History, the Founding Principles, Civics and Economics* – 10th Grade</p> <p>American History I* – Founding Principles; American History I – Founding Principles SI – Eleventh Grade (Fall) and American History II*, American History II SI – 11th Grade (Spring)</p> <p>or AP United States History* or IB History of the Americas SL1 and a 4th Social Studies course from the following list:</p>	<p><b>Elective Courses (NCSCOS - 2006):</b> African-American Studies*</p> <p><b>Locally Developed Electives</b> 21st Century Leadership Honors Big History Project</p>	<p><b>Elective Courses (Essential Standards - 2012):</b> Psychology* Sociology* The Cold War Twentieth Century Civil Liberties, Civil Rights Turning Points in American History 21st Century Global Geography World Humanities American Humanities</p>	<p><b>AP Elective Courses</b> AP Economics AP European History* AP Government* AP Psychology* AP Human Geography*</p>
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\*These courses are also available as online courses

## SOCIAL STUDIES FOR 2018 AND BEYOND GRADUATING CLASSES

GRADE 9	GRADE 10	GRADE 11	GRADE 12 - ELECTIVES
World History, Honors World History or AP World History	American History, the Founding Principles, Civics and Economics	AM I./Elective -or- AP US History or IB History of the Americas SL1	Economics AP European History AP Human Geography AP Psychology AP U.S. Government AP AM II./Elective World History AP

*\*Information current as of December 2015; pending NC State Board of Education vote may impact Social Studies requirements for graduation beginning with those entering High School in 2015*

## SOCIAL STUDIES COURSE DESCRIPTIONS

### WORLD HISTORY/HONORS WORLD HISTORY, SI

The World History course will address six (6) periods in the study of World History, with a key focus of study from the mid 15th century to present. The standards of this course are grouped in a way that reflects accepted periodization by historians. The learning standards of this course have been written to focus around a basic core of chronologically-organized periods and events in history in order to have a set of learning standards that can be reasonably taught and learned with some depth. Students taking this course will study major turning points that shaped the modern world.

### AMERICAN HISTORY, THE FOUNDING PRINCIPLES, CIVICS AND ECONOMICS/HONORS AMERICAN HISTORY, THE FOUNDING PRINCIPLES, CIVICS AND ECONOMICS, SI

Civics and Economics has been developed as a course that provides a framework for understanding the basic framework of American democracy, practices of American government as established by the United States Constitution, basic concepts of American politics and citizenship and concepts in macro and micro economics and personal finance. The essential standards of this course are organized under three strands – Civics and Government, Personal Financial Literacy and Economics. Through the study of Civics and Economics, students will acquire the skills and knowledge necessary to become responsible and effective citizens in an interdependent world.

### AMERICAN HISTORY I – FOUNDING PRINCIPLES, SI

American History I – Founding Principles will begin with the European exploration of the new world through Reconstruction. Students will examine the historical and intellectual origins of the United States from European exploration and colonial settlement to the Revolutionary and Constitutional eras. Students will learn about the important political and economic factors that contributed to the development of colonial America and the outbreak of the American Revolution as well as the consequences of the Revolution, including the writing and key ideas of the U.S. Constitution. This course will guide students as they study the establishment of political parties, America's westward expansion, the growth of sectional conflict, how that sectional conflict led to the Civil War, and the consequences of the Civil War, including Reconstruction.

### AMERICAN HISTORY II, SI

This course will guide students from the late nineteenth century time period through the early 21st century. Students will examine the political, economic, social and cultural development of the United States from the end of the Reconstruction era to present times. The essential standards of American History II will trace the change in the ethnic composition of American society; the movement toward equal rights for racial minorities and women; and the role of the United States as a major world power. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. The desired outcome of this course is for students to develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events on in the United States in an interconnected world.

### SHELTERED INSTRUCTION (SI) SOCIAL STUDIES COURSES

Sheltered Instruction promotes academic achievement for English Learners by providing grade-level, content-area concepts while developing English language proficiency. Techniques include emphasis on key vocabulary, use of group work and hands-on activities, use of supplementary materials (visuals, bilingual dictionaries), teacher modeling, multimedia tools, and explicit instruction of the English language in conjunction with academic content.

### SOCIAL STUDIES ELECTIVE COURSES (NCSCOS - 2006)

#### AFRICAN-AMERICAN STUDIES

African Americans have made significant contributions to the economic, political, social, and cultural development of the United States. Through this course, students discover how African Americans have always been an integral part of the American experience.

## SOCIAL STUDIES ELECTIVE COURSES (ESSENTIAL STANDARDS – 2012)

### PSYCHOLOGY

The elective course, Psychology, engages students in the understanding, articulation, and dissemination of psychology as a science. Students are introduced to psychology, with a focus on the scientific study of human development, learning, motivation, and personality. It emphasizes the empirical examination of behavior and mental processes and it infuses perspectives fostering students' growth, development, and understanding of cultural diversity. Students of psychology acquire information from a variety of sources, use information as they make decisions and evaluations, and solve problems. The study of psychology enables students to recognize and cope with uncertainty and ambiguity in human behavior.

### SOCIOLOGY

This course is designed to give students the tools necessary to concentrate on the systematic study of human society and human interaction. Students will develop a sociological imagination in which they will observe the connections between their personal lives within society, as well as public policy issues. Using observation, the scientific method, and cross-cultural examination, students will discover how patterns of behavior develop, culture is learned, and social predictions are made.

### THE COLD WAR

Our current world—its people and societies—in many ways is a product of the Cold War. Modern global relations involving the United States and other countries, networks, and regions such as Iran, Al Qaeda, North Korea, Afghanistan, Latin America, and Iraq all have connections to the Cold War. Subsequently, the direct and indirect battles associated with this post World War II ideological conflict with the former Soviet Union have had lasting effects on our nation, our relationships with other people, and the world. The relevant lessons of the Cold War would help promote informed judgments by contemporary American citizens.

### TWENTIETH CENTURY CIVIL LIBERTIES, CIVIL RIGHTS

The course should accentuate the history, struggles, successes and similarities of diverse groups of twentieth-century Americans who protested on behalf of civil liberties and civil rights. The course should begin with an understanding of America's founding documents—The Declaration of Independence and the United States Constitution—and the conceptual and historical paradoxes of each. A foundation of the course should be an understanding of Jefferson's creed that "...all men are created equal..." as well as, the document's interpretation and applicability over the course of the Twentieth Century.

### 21ST CENTURY GLOBAL GEOGRAPHY

This geography course will emphasize the increasing interconnectedness of Earth's people due to globalization, as well as, the notion of "spatial variation"—how and why things differ from place to place both physically and culturally on the earth's surface. Globalization is the ongoing process of increasing interconnectedness and interdependence among humankind. While its origins are debatable, this process has been significantly amplified with the onset of new communication technologies that have improved economic, political, social, cultural, historic, and geographic connections among individuals, groups, and nations.

### WORLD HUMANITIES SEMINAR

This course should begin with a focus on the ancient cultures of the Mediterranean and Europe. Classical cultures centered on Athens, Jerusalem, and Rome should be studied through the birth and evolution of the Medieval World. The rise and diffusion of Islam from the 7th through the 15th centuries should be a major theme. This course should also emphasize the study of Europe and the non-western cultures from Asia, Africa, and the Middle East from the 16th century to the modern era. The latter emphasis would be on the cultural world of the Reformation, the Renaissance and the political revolutions of the 18th and 19th centuries. Student focus could be on European colonialism and its effects, the changing role of women and work, and how the meaning of human rights has evolved over time. Course content should be studied through a contemporary global lens.

### AMERICAN HUMANITIES SEMINAR

An American humanities course should emphasize the human journey associated with being and/or becoming American. In 1781 French traveler Hector St. Jean de Crevecoeur asked the question, "What then is the American, this new man?" This course should attempt to answer that question, as well as other essential questions to find meaning in the American experience. The course should use an historical lens to discover and question through broad humanistic movements—literary, artistic, linguistic, philosophical,

and religious—the cultural uniqueness of the United States. An additional point of emphasis for American humanities should be popular culture and the mediums in which that culture has been expressed.

## LOCALLY DEVELOPED ELECTIVES

### HONORS DREAM LEADERS

This student leadership course is designed to provide high school students who are active in their school community to take leadership roles. The design is to assist students in examining the effort and attitudes needed to take personal ownership of their school and community. By analyzing character traits of leadership, students will be able to better understand the ongoing process and difficulties inherent in various historic leadership roles. Intended for students classified as a Junior or Senior, active in at least one school organization and accepted through a rigorous interview process by the teacher of record.

### HONORS BIG HISTORY PROJECT

The Big History Project takes on big compelling questions that originate with the dawn of time, and gives students a framework to tell the story of humanity's place in the Universe. It looks at the past from the dawn of time to modernity, seeking out common themes and patterns that can help us better understand people, civilizations, and the world we live in. Big History transcends traditional self-contained fields of study and grasp history as a whole. By teaching students to explore these connections, and to effectively question, analyze and postulate, it provides a foundation for thinking not only about the past, but also the future and the changes that are reshaping our world. While open to all students, this course is designed as an introduction to the rigor of an Advanced Placement course.

### 21ST CENTURY LEADERSHIP

This student leadership course is designed to provide high school students, who are elected to serve in their school's student council with an opportunity to enhance their personal leadership skills in actual situations in their school and community. The design is to assist students in examining the effort and attitudes needed to take personal ownership of their school and surroundings. By analyzing past and present ideas of leadership, students will be able to better understand the ongoing process and difficulties inherent in various historic leadership roles. Intended for student classified as Sophomores, Juniors, or Seniors.

## SOCIAL STUDIES ELECTIVE ADVANCED PLACEMENT (AP) COURSES

### AP ECONOMICS

This course will follow the outline from the AP bulletin. Students will engage in the study of both macro and micro economics. *Prerequisite: Civics and Economics or Honors Civics and Economics*

### AP EUROPEAN HISTORY

This course will follow the outline from the AP bulletin. Students will engage in the study of political, social, cultural, and historical events that have shaped modern Europe. *Prerequisite: World History or Honors World History*

### AP GOVERNMENT

This course will follow the outline from the AP bulletin. Students will engage in the examination of American government, famous court cases, political parties, exciting political debates and elections. The United States Constitution is examined in depth as to how its application and evolution have evolved to meet the needs of a changing society and people. *Prerequisite: Civics and Economics, American History I & II or AP United States History*

### AP PSYCHOLOGY

This course will follow the outline from the AP bulletin. Students will engage in an in-depth study of the discipline of psychology, its history, theoretical approaches, and contemporary research methods.

### AP HUMAN GEOGRAPHY

This course will follow the outline from the AP bulletin. The importance of geography as a field of inquiry into the dynamics of human population growth, movement, and culture provides the foundation for this course.

### AP UNITED STATES HISTORY AP

This course follows the outline provided in the AP bulletin. Students are engaged in an in-depth study of American history from the colonial period to the present. *Prerequisite: Civics and Economics*

### AP WORLD HISTORY

This course will follow the outline from the AP bulletin. Students will engage in an in-depth study of interactions among major societies, impacts of technology, social systems and structures, cultural developments, and change and continuity over time.



## CAREER & TECHNICAL EDUCATION

### What is Career Technical Education (CTE)?

- A blend of early career discovery and skill development through active learning
- Early career launch through sequenced career pathway courses
- Opportunity to build industry recognized certifications and early credit towards postsecondary degree
- Connect with future Charlotte employers through job shadows and internships

### What is a CTE pathway?

- Four to six course sequence using state of the art hardware, software, and equipment that allows students to build industry relevant knowledge in their chosen career field
- Courses embed industry credentials and deepen industry experience for each sequential course taken
- Deepening industry experience for each sequential course taken
- Most pathways articulate to a pathway through two or four year university, or the next level of necessary certification
- Courses align to provide deeper work based learning opportunities
- Courses build industry ready skills which lead to high quality internships

**By completing a CTE pathway, students have the opportunity to begin building a professional network with Charlotte employers before graduating high school.**

### How can completing a CTE Pathway help me?

- Complete industry certification embedded in pathway sequence
- Leverage CTE AP and Honors Courses to deepen industry knowledge
- Enroll in early college opportunities through College and Career Promise
- Track field trips, job shadows and internships
- Participate in capstone competitions
- Be an active member of Career and Technical Student Organization

The following pages outline the pathways that are hosted at each school. To ensure students are able to maximize their CTE opportunities, please connect with counselors or the Career Development Coordinator at the school level. All high schools offer CTE courses. The courses listed in the pathway grid are not intended to be an exclusive list of CTE courses at each school. Some pathway sequences will vary slightly by school based on a specialty offered at that school.

SEMESTER HOURS CREDIT***	HIGH SCHOOL CREDITS
1-2	0
3-4*	1
5-8**	2
9 OR MORE**	3

**For 2018-2019 academic school year, college and university courses shall earn high school dual credit as specified to the left.**

\* Courses with labs, the combination of the course and the lab count as a single course.

\*\* These occur only in certain Career and Technical courses.

\*\*\* High school credit applies to college courses in college curriculum programs.

## CAREER AND COLLEGE PROMISE (CCP)

### What is Career and College Promise (CCP)?

Career and College Promise (CCP) gives high school juniors and seniors the opportunity to get a **"jump start"** and earn college credit toward a two-year or four-year degree while still in high school. Students are dually enrolled in their high school and at Central Piedmont Community College, allowing them to receive both high school and college credit for courses taken through the program. Best of all, **CCP classes are tuition-free during the fall, spring and summer semesters.**

### How has Career and College Promise benefited students?

- Students explored more than 50 academic programs.
- High school students earned over 17,000 hours of college credit.
- More than 2500 high school students saved approximately \$1,200,000 in college tuition.

TUITION FREE OPTIONS	HOW TO QUALIFY FOR CCP	MAINTAINING ELIGIBILITY	PATHWAY REQUIREMENTS
<b>Career &amp; Technical Education Pathway</b>	<ul style="list-style-type: none"> <li>• High school junior or senior</li> <li>• 3.0 weighted high school GPA OR principal recommendation</li> <li>• Meet prerequisites of the career pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Continue to make progress toward high school graduation</li> <li>• Maintain a 2.0 in college coursework after completing two courses,</li> </ul> <p style="text-align: center;"><b>AND</b></p> <ul style="list-style-type: none"> <li>• A student who falls below a 2.0 GPA after completing two college courses will be subject to the college's policy for satisfactory academic progress.</li> </ul>	<ul style="list-style-type: none"> <li>• A student must enroll in one program of study and may not substitute courses in one program for courses in another.</li> <li>• The student may change his or her program of study major with approval of the high school principal or his/her designee and the college's chief student development administrator.</li> <li>• Students may also enroll in both CTE and College Transfer with approval of the high school principal or his/her designee and the college's chief student development administrator.</li> </ul>
<b>College Transfer Pathway</b>	<ul style="list-style-type: none"> <li>• High school junior or senior</li> <li>• 3.0 weighted high school GPA</li> <li>• Demonstrate college readiness on an assessment or placement test.</li> </ul> <p style="text-align: center;"><b>OR</b></p> <ul style="list-style-type: none"> <li>• Provisional Status Qualification for students not testing college ready:                             <ul style="list-style-type: none"> <li>▫ 3.5 cumulative weighted GPA</li> <li>▫ Two years of high school English, grade "C" or better</li> <li>▫ Completed Algebra II or higher math course, grade "C" or better</li> <li>▫ Written approval of your high school principal</li> <li>▫ Written approval of community college president or designee</li> </ul> </li> </ul>		

Adapted from Central Piedmont Community College. For more information: <https://www.cpcc.edu/hsprograms>

CTE PATHWAY PLANNING GRID BY SCHOOL OFFERINGS

LEARNING COMMUNITY	NORTH			EAST			CENTRAL		WEST		BEACON			LEAD	LIFT	SOUTH			
	HIGH SCHOOL	Hopewell	North Mecklenburg	Hough	Butler	Independence	Rocky River	East Mecklenburg	Myers Park	Berry Academy of Technology	West Mecklenburg	Garinger	Harding	Vance	Hawthorne Campus	West Charlotte	Ardrey Kell	Olympic Campus	South Mecklenburg
PATHWAY																			
High Demand Employment Opportunities in Charlotte Region	Advanced Manufacturing & Engineering	•		•		•		•	•				•	•				•	•
	Architecture & 3D Prototyping			•	•		•				•	•							
	Architecture & Engineering			•	•	•		•		•				•			•	•	•
	Biomedical & Health Science	•			•	•		•	•	•		•		•	•	•	•	•	•
	Carpentry					•					•		•					•	
	Computer Engineering				•	•													
	Software Development		•	•		•		•	•	•	•	•	•	•		•		•	•
	Automotive		•			•			•	•				•					•
	Business Management		•			•						•							•
	Cosmetology		•									•					•		•
	Culinary & Hospitality		•			•		•	•			•				•		•	•
	Environ. Sustainability/ Landscaping					•							•						
	Fashion Design		•		•		•			•						•			
	Food Science								•										
	Game Art Design												•	•				•	•
	Graphic & Digital Design	•	•				•				•	•	•	•	•		•		
	Interior Design					•				•							•		
	Marketing	•	•			•	•	•	•	•		•	•	•		•			•
	Public Safety															•			

NOTE: Pathway schools may offer a variety of additional courses that are not expressed in a formal pathway that can complement or enhance a student's pathway or offer addition opportunity for career exploration. Non-pathway schools offer a variety of CTE courses.

	Pathway	Course Sequence (Sequence may vary slightly by school)	Industry Credentials	College & Career Promise/ Degree Programs
High Demand Employment Opportunities in Charlotte Region	Advanced Manufacturing & Engineering	1st: Intro to Engineering Design* 2nd: Principles of Engineering* 3rd: Computer Integrated Manufacturing* 4th: Digital Electronics	OSHA – 10 Hour	<ul style="list-style-type: none"> <li>• Mechatronics Engineering Technology</li> <li>• Electrical Engineering Technology</li> </ul>
	Architecture & 3D Prototyping	1st: Drafting – Architecture I 2nd: Drafting – Architecture II 3rd: Drafting – Architecture III 4th: Drafting – Engineering II 5th: Drafting – Engineering III	Autodesk Revit User Certified Autodesk Inventor User Certified Solid Works	<ul style="list-style-type: none"> <li>• Sustainability Technologies: Renewable Energy</li> <li>• Civil Engineering Technology</li> <li>• Residential Architecture Technology</li> </ul>
	Architecture & Engineering	1st: Drafting – Architecture I 2nd: PLTW–Introduction to Engineering 3rd: Drafting – Architecture II 4th: PLTW – Principles of Engineering 5th: PLTW–Civil Engineering & Architecture 6th: Drafting – Architecture III	Autodesk Revit User Certified Autodesk Inventor User Certified Solid Works	<ul style="list-style-type: none"> <li>• Mechatronics Engineering Technology</li> <li>• Sustainability Technologies: Renewable Energy</li> <li>• Civil Engineering Technology</li> <li>• Electrical Engineering Technology</li> </ul>
	Biomedical & Health Science	1st: Principles of Biomedical Science 2nd: Human Body Systems 3rd: Medical Interventions 4th: Biomedical Innovations	In Process	CCP Pathway In Development
	Carpentry	1st: Core & Sustainable 2nd: Carpentry I 3rd: Carpentry II 4th: Carpentry III	NCCER OSHA – 10 Hour Construction	<ul style="list-style-type: none"> <li>• Construction Supervision</li> <li>• Residential Architecture Technology</li> <li>• Construction Management: Energy or Green Building</li> </ul>
	Computer Engineering	1st: AP Computer Science Principles 2nd: Multimedia Web Design 3rd: Computer Engineering I 4th: Computer Engineering II	CompTIA A+ 901 Comp TIA A+ 902	CCP Pathway In Development
	Software Development	1st: AP Computer Science Principles 2nd: Computer Programming I 3rd: AP Computer Science A 4th: Software Development Fundamentals	Microsoft Technical Associate: Database Fundamentals Microsoft Technical Associate: Software Development Fundamentals	CCP Pathway In Development
	Automotive	1st: Introduction to Automotive 2nd: Automotive I 3rd: Automotive II 4th: Automotive III	ASE (Automotive Service Excellence): Suspension and Steering Brakes Electrical/Electronic Systems Engine Performance Engine Repair Automatic Transmission/Transaxle Manual Drive Train and Axles Heating and Air Conditioning Maintenance and Light Repair Automobile Service Technology	Automotive Systems Technology Collision, Repair, and Refinishing Technology
	Business Management	1st: Principles of Business 2nd: Accounting I 3rd: Business Law 4th: Business Management	Quickbooks	CCP Pathway in Development
	Cosmetology	1st: Principles of Business 2nd: Cosmetology I 3rd: Cosmetology II 4th: Entrepreneurship	Students will be eligible to take the Cosmetology license upon completing the program.	Any students unable to complete the program while in high school and are in good standing are eligible complete at CPCC.

## CTE PATHWAY COURSE SEQUENCE DETAILS, INDUSTRY CREDENTIALS, AND DEGREE PROGRAMS

Pathway	Course Sequence (Sequence may vary slightly by school)	Industry Credentials	College & Career Promise/ Degree Programs
Culinary & Hospitality	1st: Hospitality & Tourism 2nd: Introduction to Culinary & Hospitality 3rd: Culinary I 4th: Culinary II: Double Block	ServSafe	Culinary Bakery & Pastry Arts Hospitality Management
Environmental Sustainability	1st: Horticulture I 2nd: Environmental I 3rd: Environmental II 4th: Horticulture II 5th: Sustainable Agriculture (pilot)	OSHA 10 Hour	Horticulture Technology Landscape Maintenance Urban Agriculture
Fashion Design	1st: Apparel I 2nd: Apparel II 3rd: Fashion Merchandising I 4th: Fashion Merchandising II	No certification	CCP Pathway in Development
Food Science	1st: Hospitality & Tourism 2nd: Foods I 3rd: Foods I Technology 4th: Foods II	ServSafe NC Plate	CCP Pathway in Development
Game Art Design	1st: Multimedia Web Design 2nd: Intro to Computer Science 3rd: Scientific Visualization 4th: Game Art & Design 5th: Advanced Game Art Design		Simulation and Game Development
Graphic & Digital Design	1st: Microsoft Suite 2nd: Multimedia Web Design 3rd: Adobe Visual Design 4th: Adobe Digital Design 5th: Adobe Video Design	Adobe Photoshop Adobe Dreamweaver Adobe InDesign Adobe Illustrator Adobe Premier	Graphic Design Adobe Creative Suite
Interior Design	1st: Interior Design I 2nd: Interior Design II 3rd: Interior Application 4th: Drafting – Architecture I	No Certification	Interior Design
Marketing	1st: Marketing 2nd: Marketing Applications 3rd: International Marketing 4th: Strategic Marketing	ASK (Assessment of the Skills and Knowledge of Business)	CCP Pathway in Development
Public Safety: Law Enforcement & Protection	1st: Public Safety I 2nd: Public Safety II 3rd: Law & Justice I 4th: Law & Justice II	NIMS 100 – NIMS 200 Community Emergency Response Team (CERT)	Criminal Justice Law Enforcement
Public Safety: Fire & Emergency Management	1st: Public Safety I 2nd: Fire Fighter & Technology I 3rd: Fire Fighter & Technology II 4th: Fire Fighter & Technology III	NIMS 100 – NIMS 200	Fire Protection Technology Program
Public Safety: Emergency Medical Technician & Paramedic	1st: Public Safety I 2nd: Public Safety II 3rd: EMT/Medical Technology I 4th: EMT/Medical Technology II	NIMS 100 – NIMS 200 Community Emergency Response Team (CERT)	Emergency Medical Science

## CTE COURSE DESCRIPTIONS

### ACCOUNTING I

This course is designed to help students understand the basic principles of the accounting cycle. Emphasis is placed on the analysis and recording of business transactions, preparation, and interpretation of financial statements, accounting systems, banking and payroll activities, basic types of business ownership, and an accounting career orientation. *(Approved Honors)*

### ACCOUNTING II

*Prerequisite: Accounting I*

This course is designed to provide students with an opportunity to develop in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Emphasis includes departmental accounting, corporate accounting, cost accounting, and inventory control systems, managerial accounting and budgeting, and further enhancement of accounting skills. *(Approved Honors)*

### ADVANCED GAME ART DESIGN

*Prerequisite: Game Art Design*

This course is a continuation in the study of game design and interactivity. Emphasis is placed on visual design, evaluating, scripting, networking protocols, legal issues, and 3D visual theory. Students compile a game portfolio. Advanced topics include the use of audio and visual effects, rendering, modeling, and animation techniques. Students work in collaborative teams to develop a final 3D game project.

### AP COMPUTER SCIENCE A

This is a college-level introductory course in computer science. Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. At the same time, the design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. In addition, the responsible use of these systems is an integral part of the course.

### APPAREL AND TEXTILE PRODUCTION I

In this course students are introduced to clothing production in the areas of preparation for clothing construction, basic clothing construction techniques, consumer decisions, textiles, historical perspectives and design, and career opportunities. Emphasis is placed on students applying these construction and design skills to apparel and home fashion.

### APPAREL AND TEXTILE PRODUCTION II

*Prerequisite: Apparel I*

In this course students are introduced to advanced clothing and housing apparel development skills. The use of fibers and fabrics is combined with design and construction techniques to develop and produce clothing or housing apparel products. A real or simulated apparel business enterprise and FCCLA activities allow students to apply instructional strategies and workplace readiness skills to an authentic experience and to develop a portfolio. *(Approved Honors)*

### INTRODUCTION TO AUTOMOTIVE SERVICE

This course introduces automotive safety, basic automotive terminology, system & component identification, knowledge and introductory skills in hand tools, shop equipment, basic servicing, and use of service information.

### AUTOMOTIVE SERVICE I

*Prerequisite: Introduction to Automotive Service*

This course develops automotive knowledge and skills in performing scheduled automotive maintenance, servicing and basic testing of brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems, emphasizing hands-on experience.

### AUTOMOTIVE SERVICE II

*Prerequisite: Automotive Service I*

This course builds on the knowledge and skills introduced in automotive servicing I and develops advanced knowledge and skills in vehicle system repair and/or replacement of components in the brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems, emphasizing hands-on experience.

### AUTOMOTIVE SERVICE III

*Prerequisite: Automotive Service II*

This course builds on the skills and knowledge introduced in Automotive Service I & II. Building advanced automotive skills and knowledge in vehicle servicing, testing, repair, and diagnosis of brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems, while emphasizing hands-on experience.

### BIOMEDICAL TECHNOLOGY

This course challenges students to investigate current medical and health care practices using technology and advances in health care research. Topics include ethics, forensic medicine, infectious diseases, organ transplants, cell biology and cancer, and biomedical research.

### BUSINESS LAW

*Prerequisite: Principles of Business and Finance*

This course is designed to acquaint students with the basic legal principles common to all aspects of business and personal law. Business topics include contract law, business ownership including intellectual property, financial law, and national and international laws. Personal topics include marriage and divorce law, purchasing appropriate insurance, renting and owning real estate, employment law, and consumer protection laws.

### BUSINESS MANAGEMENT

*Prerequisite: Principles of Business and Finance*

This course expands student understanding of management, including customer relationship management, human resources management, information management, knowledge management, product-development management, project management, quality management, and strategic management. Economics, finance, and professional development are also stressed throughout the course.

### CARPENTRY I

This course covers basic carpentry terminology and develops technical aspects of carpentry with emphasis on development of introductory skills. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification.

### CARPENTRY II

*Prerequisite: Carpentry I*

This course covers additional technical aspects of carpentry with emphasis on development of intermediate skills. The course content includes floor systems, wall and ceiling framing, roof framing, introductions to concrete, reinforcing materials and forms, windows and exterior doors, and basic stair layout. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification.

### COMPUTER ENGINEERING TECHNOLOGY I

This course includes basic computer hardware, software, applications, troubleshooting, and customer service as integral parts of the course requirements. It includes objectives in PC hardware, networking, laptops, printers and operational procedures. This course helps prepare students for the CompTIA A+ credential.

### COMPUTER ENGINEERING TECHNOLOGY II

*Prerequisite: Computer Engineering Technology I*

This course includes advanced computer hardware, software, applications, troubleshooting, and customer service as integral parts of the course requirements. It includes operating systems, security, mobile devices and troubleshooting. This course helps prepare students for the CompTIA A+ credential. *(Approved Honors)*

### COMPUTER PROGRAMMING I

This course is designed to introduce the concepts of programming, application development, and writing software solutions in the Visual Basic environment. Emphasis is placed on the software development process, principles of user interface design, and the writing of a complete Visual Basic program including event-driven input, logical decision making and processing, and useful output.

### COMPUTER PROGRAMMING II

*Prerequisite: Computer Programming I*

This project-based course is designed to teach students to access and manipulate data in a variety of data structures including Access, Structured Query Language (SQL), XML and text files. Emphasis is placed on advanced functionality, packaging and deploying business solutions, and program life-cycle revision and maintenance. *(Approved Honors)*

**COSMETOLOGY I**

This course covers developmental skills, employment opportunities, and career information required for the Cosmetology industry. Topics include sanitation, manicuring, pedicure, hair styling, chemical restructuring and color techniques.

**COSMETOLOGY II**

*Prerequisite: Cosmetology I*

This course covers advanced development of processes techniques and skills. Topics include artificial nail, nail art, advanced chemical restructuring, advanced color techniques, facials, hair extensions, and advanced hair styling.

**CTE ADVANCED STUDIES**

*Prerequisite: Two CTE credits*

This culminating course is for juniors and seniors who have earned two CTE credits. The four parts of the course include writing a research paper, producing a product, developing a portfolio, and delivering a presentation. Students demonstrate their abilities to use 21st century skills.

**CULINARY ARTS AND HOSPITALITY I**

*Prerequisite: Introduction to Culinary Arts and Hospitality*

This course focuses on basic skills in cold and hot food production, baking and pastry, and service skills.

**CULINARY ARTS AND HOSPITALITY II (2 CREDIT COURSE)**

*Prerequisite: Culinary Arts and Hospitality I*

This course provides advanced experiences in cold and hot food production, management (front and back of the house), and service skills. Topics include menu planning, business management, and guest relations.

**DRAFTING I**

This course introduces students to the use of simple and complex graphic tools used to communicate and understand ideas and concepts found in the areas of architecture, manufacturing, engineering, science, and mathematics. Topics include problem-solving strategies, classical representation methods such as sketching, geometric construction techniques, as well as computer assisted design (CAD), orthographic projection, and 3-D modeling.

**DRAFTING II - ARCHITECTURAL**

*Prerequisite: Drafting I*

This course focuses on the principles, concepts, and use of complex graphic tools used in the field of architecture, structural systems, and construction trades. Emphasis is placed on the use of computer assisted design (CAD) tools in the creation of floor plans, wall sections, and elevation drawings. *(Approved Honors)*

**EARLY CHILDHOOD EDUCATION I**

*Prerequisite: Students must be 16 by October 1 of current school year*

This course prepares students to work with children in early education and childcare settings. Areas of study include personal and professional preparation, child development from birth to age 12, techniques and procedures for working with young children, and history, trends and opportunities in this field. An internship makes up 50 percent of instructional time.

**EARLY CHILDHOOD EDUCATION II**

*Prerequisite: Early Childhood Education I*

This course provides advanced experiences in working with children from infancy to age 12 in early education and childcare settings. Areas of study include program planning and management, developmentally appropriate practice, procedures and strategies for working with special groups of children, and career development and professionalism. An internship makes up 50 percent of instructional time.

**E-COMMERCE I**

*Prerequisite: Multimedia and Webpage Design*

This course is designed to help students master skills in the design and construction of complex web sites for conducting business electronically. Emphasis is on skill development in advanced web page construction and entrepreneurial applications of conducting business electronically as well as economic, social, legal, and ethical issues related to electronic business. Students learn through project-based applications as they plan, design, create, publish, maintain, and promote an e-commerce website. *(Approved Honors)*

**E-COMMERCE II**

*Prerequisite: e-Commerce I*

This course is designed to help students master advanced skills in electronic commerce security, payment infrastructure, secure electronic commerce transactions, and electronic commerce order entry, tracking and fulfillment.

Emphasis is placed on marketing techniques for electronic commerce websites, tracking and using customer and sales data, and other uses of databases in electronic commerce sites as students develop a capstone project. *(Approved Honors)*

**ENTREPRENEURSHIP I**

*Prerequisite: Marketing OR Principles of Business and Finance OR Personal Finance OR Fashion Merchandising OR Apparel I OR Game Art Design*

In this course students evaluate the concepts of going into business for themselves and working for or operating a small business. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students develop components of a business plan and evaluate startup requirements.

**ENTREPRENEURSHIP II**

*Prerequisite: Entrepreneurship I*

In this course students develop an understanding of pertinent decisions to be made after obtaining financing to open a small business. Students acquire in-depth understanding of business regulations, risks, management, and marketing. Students develop a small-business management handbook.

**ENVIRONMENTAL & NATURAL RESOURCES I**

This course provides an introduction to environmental studies, which includes topics of instruction in renewable and non-renewable natural resources, history of the environment, personal development, water and air quality, waste management, land use regulations, soils, meteorology, fisheries, forestry, and wildlife habitat.

**ENVIRONMENTAL & NATURAL RESOURCES II**

*Prerequisite: Environmental & Natural Resources I*

This course covers instruction in best management practices in methods of environmental monitoring and conservation, air and water regulations, sampling methodologies, prescribing conservation techniques, and wildlife and forestry management.

**FASHION MERCHANDISING**

In this course students are introduced to the fashion and merchandising industries. Students acquire transferable knowledge and skills among the concepts of the business of fashion, fashion promotion events, the evolution and movement of fashion, the fashion industry, career development, merchandising of fashion, and the selling of fashion.

**FIRE FIGHTER TECHNOLOGY I**

This course covers part of the NC Fire Fighter I/II combination certification modules required for all fire fighters in North Carolina. The modules include: Fire Department Orientation and Safety; Fire Prevention, Education and Cause; Fire Alarms and Communications, Fire Behavior, Personal Protective Equipment; Portable Fire Extinguishers; and Fire Hose, Streams and Appliances.

**FIRE FIGHTER TECHNOLOGY II**

*Prerequisite: Fire Fighter Technology I*

This course covers additional NC Fire Fighter I/II combination certification modules required for all fire fighters in North Carolina. This includes Ropes, Ladders, Forcible Entry, Ventilation, Water Supply, Sprinklers and Foam Fire Stream.

**FIRE FIGHTER TECHNOLOGY III**

*Prerequisite: Fire Fighter II*

In this course, students select one specific occupation in the Career Cluster and conduct research to include the nature of the work, work environment, training, education/advancement and job prospects.

**FOODS I**

This course examines the nutritional needs of the individual. Emphasis is placed on the relationship of diet to health, kitchen and meal management, food preparation and sustainability for a global society, and time and resource management.

**FOODS II - ENTERPRISE**

*Prerequisite: Foods I OR Culinary Arts and Hospitality I*

This course focuses on advanced food preparation techniques while applying nutrition, food science, and test kitchen concepts using new technology. Food safety and sanitation receive special emphasis. Students develop skills in preparing foods such as beverages, salads and dressing, yeast breads, and cake fillings and frostings. A real or simulated in-school food business component allows students to apply instructional strategies.

## FOUNDATIONS OF INFORMATION TECHNOLOGY

This introductory course provides students with the foundation to pursue study in information technology. Emphasis is on network systems, information support and services, programming and software development, and interactive media.

## GAME ART DESIGN OR MULTIMEDIA WEB DESIGN

*Prerequisite: Scientific and Technical Visualization I*

This course introduces students to techniques used in the electronic game industry. Students will focus on the principles used in game design including mathematical and virtual modeling. Emphasis is placed on areas related to art, history, ethics, plot development, storyboarding, programming, 2D visual theory, and interactive play technologies. Students develop physical and virtual games using hands-on experiences and a variety of software.

## HORTICULTURE I

This course provides instruction on the broad field of horticulture with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, customer relations, and career opportunities. English language arts, mathematics, and science are reinforced.

## HORTICULTURE II

*Prerequisite: Horticulture I*

This course covers instruction that expands scientific knowledge and skills to include more advanced scientific computations and communication skills needed in the horticulture industry. Topics include greenhouse plant production and management, bedding plant production, watering systems, light effects, basic landscape design, installation and maintenance, lawn and turf-grass management, and personal development. *(Approved Honors)*

## HORTICULTURE II - LANDSCAPING

*Prerequisite: Horticulture I*

This course provides hands-on instruction and emphasizes safety skills needed by landscape technicians in the field. This course is based on the North Carolina Nursery and Landscape Association skill standards for a Certified Landscape Technician. Students are instructed in interpreting landscape designs, identifying landscape plants, and planting/maintaining trees, shrubs, and turf. Landscape construction is emphasized in the areas of grading and drainage, irrigation, paver installation, and the use/maintenance of landscape equipment. Current topics discussions provide students an understanding of careers and the employability skills needed to enter the landscape industry.

## HOSPITALITY AND TOURISM

*Prerequisite: Marketing OR Principles of Business and Finance OR Sports and Entertainment Marketing I*

In this course students are introduced to the industry of travel, tourism, and recreational marketing. Students acquire knowledge and skills on the impact of tourism, marketing strategies of the major hospitality and tourism segments, destinations, and customer relations. Emphasis is on career development, customer relations, economics, hospitality and tourism, travel destinations, and tourism promotion. Mathematics and social studies are reinforced. Work-based learning strategies appropriate include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA (an association for Marketing Education students) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

## INTERIOR DESIGN I

This course focuses on housing needs and options of individuals and families at various stages of the life cycle. Emphasis is placed on selecting goods and services and creating functional, pleasing living environments using sound financial decisions and principles of design. Topics of study include elements and principles of design, backgrounds and furnishings, architectural styles and features, and functional room design.

## INTERIOR DESIGN II

*Prerequisite: Interior Design I*

This course prepares students for entry-level and technical work opportunities in the residential and non-residential interior design fields. Students deepen their understanding of design fundamentals and theory by designing interior plans to meet living space needs of specific individuals or families. Topics include application of design theory to interior plans and production, selection of materials, and examination of business procedures. *(Approved Honors)*

## INTERNATIONAL MARKETING

*Prerequisite: Marketing*

This course offers a rigorous course of study for experienced marketing students. Students will be exposed to political, economical, and cultural issues regarding international marketing. A special focus is placed on the drivers of international marketing, product adaptation and international channels of distribution and promotion. Students develop an understanding and skills in transfer pricing, payment flows, and international professional development. An international business plan project is required. *(Approved Honors)*

## INTRODUCTION TO CULINARY ARTS AND HOSPITALITY

In this course, basic safety and sanitation practices are introduced. Commercial equipment, small-wares, culinary math, and basic knife skills in a commercial food service facility are taught.

## MARKETING

In this course, students develop an understanding of the processes involved from the creation to the consumption of products/services. Students develop an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students develop an understanding of marketing functions applications and impact on business operations.

## MARKETING MANAGEMENT

*Prerequisite: Marketing OR Fashion Merchandising*

In this course, students acquire an understanding of management environments of marketing concepts and functions. Topics include human resources, marketing information, products/services, distribution, promotion, and selling. Students develop an understanding of marketing functions applications and impact on business decisions.

## MULTIMEDIA AND WEBPAGE DESIGN

This course focuses on desktop publishing, graphic image design, computer animation, virtual reality, multimedia production, and web design. Communication skills and critical thinking are reinforced through software applications.

## NETWORK ENGINEERING TECHNOLOGY I

This course provides a hands-on introduction to networking and the Internet using tools and hardware commonly found in home and small business environments. Content includes personal computer hardware and operating systems, connection to networks and to the Internet through an ISP, network addressing, network services, wireless technologies, basic security, and troubleshooting networks. This course uses Cisco curriculum and must be conducted using the Cisco Networking Academy connection.

## NETWORK ENGINEERING TECHNOLOGY II

*Prerequisite: Network Engineering Technology I*

This course provides a basic overview of routing and remote access, addressing, security, email services, web space, and authenticated access. Content includes the Internet and its uses, Help Desk operations, planning network upgrades, planning the addressing structure, configuring network devices, Routing, ISP services, ISP responsibilities, troubleshooting, and Cisco Certified Entry Networking Technician (CCENT) exam preparation. This course uses Cisco curriculum and must be conducted using the Cisco Networking Academy connection. *(Approved Honors)*

## PLTW BIOMEDICAL INNOVATION

*Prerequisite: PLTW Medical Interventions*

Students design innovative solutions for the health challenges of the 21st century. They work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project with a mentor or advisor from a university, hospital, research institution, or the biomedical industry. Throughout the course, students are expected to present their work to an audience of STEM professionals. This course is designed for 12th grade students. *(Approved Honors)*

## PLTW HUMAN BODY SYSTEMS

*Prerequisite: PLTW Principles of Biomedical Sciences*

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries. This course is designed for 10th, 11th or 12th grade students. *(Approved Honors)*

**PLTW MEDICAL INTERVENTIONS***Prerequisite: PLTW Human Body Systems*

Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. This course is designed for 11th or 12th grade students. *(Approved Honors)*

**PLTW PRINCIPLES OF BIOMEDICAL SCIENCES**

Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses. This course is designed for 9th or 10th grade students. *(Approved Honors)*

**PLTW CIVIL ENGINEERING AND ARCHITECTURE**

*Prerequisite: PLTW Introduction to Engineering Design OR Principles of Engineering*  
Students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects. This course is designed for 11th or 12th grade students.

**PLTW COMPUTER INTEGRATED MANUFACTURING**

*Prerequisite: PLTW Introduction to Engineering Design OR Principles of Engineering*  
How are things made? What processes go into creating products? Is the process for making a water bottle the same as it is for a musical instrument? How do assembly lines work? How has automation changed the face of manufacturing? While students discover the answers to these questions, they're learning about the history of manufacturing, robotics and automation, manufacturing processes, computer modeling, manufacturing equipment, and flexible manufacturing systems. This course is designed for 10th, 11th or 12th grade students.

**PLTW DIGITAL ELECTRONICS**

*Prerequisite: PLTW Introduction to Engineering Design OR Principles of Engineering*  
Digital electronics is the foundation of all modern electronic devices such as mobile phones, MP3 players, laptop computers, digital cameras and high-definition televisions. Students are introduced to the process of combinational and sequential logic design, engineering standards and technical documentation. This course is designed for 10th or 11th grade students.

**PLTW ENGINEERING DESIGN AND DEVELOPMENT**

*Prerequisite: PLTW Introduction to Engineering Design, Principles of Engineering, and one additional PLTW course*

In this capstone course, students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams design, build, and test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel. This course is appropriate for 12th grade students.

**PLTW INTRODUCTION TO ENGINEERING DESIGN**

Designed for 9th or 10th grade students, the major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

**PLTW PRINCIPLES OF ENGINEERING**

Designed for 10th or 11th grade students, this survey course exposes students to major concepts they'll encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. They develop problem-solving skills and apply their knowledge of research

and design to create solutions to various challenges, document their work and communicate solutions.

**PRINCIPLES OF BUSINESS AND FINANCE**

This course introduces students to topics related to business, finance, management, and marketing to cover business in the global economy, functions of business organization and management, marketing basics, and significance of business financial and risk management.

**PROSTART I®**

This national credentialing and fundamental food service course allows students to master kitchen basics, such as foodservice equipment, nutrition, breakfast foods, salads and garnishes, and fruits and vegetables. A heavy emphasis is placed on safety and sanitation, including preparing and serving safe food and preventing accidents and injuries. Students learn about successful customer relations and working with people, business math, and controlling foodservice cost.

**PROSTART II®***Prerequisite: ProStart I®*

In this national credentialing and second level fundamental food service course, students study advanced skills hospitality industry, including tourism and the retail industry, the history of foodservice, and the lodging industry. Advanced food service skills include potatoes and grains, meat, poultry, seafood, stocks, soups and sauces, desserts, and baked goods. Service skills are refined through the art of service and communicating with customers. Students learn purchasing and industry control, standard accounting practices and how to build restaurant sales through marketing and the menu.

**SCIENTIFIC AND TECHNICAL VISUALIZATION I**

This course introduces students to the use of complex graphic tools. Emphasis is placed on the principles, concepts, and use of complex graphic and visualization tools as applied to the study of science and technology. Students use complex 3D graphics, animation, editing, and image analysis tools to better understand, illustrate, explain, and present technical, mathematical, and/or scientific concepts and principles. Emphasis is placed on the use of computer-enhanced images to generate both conceptual and data-driven models, data-driven charts and animations. Science, math, and visual design concepts are reinforced throughout the course. Activities are structured to integrate physical and social sciences, mathematics, English language arts, and art.

**SCIENTIFIC AND TECHNICAL VISUALIZATION II***Prerequisite: Scientific and Technical Visualization I*

This course provides students with advanced skills in the use of complex visualization tools for the study of science, technology, or mathematical concepts. Students design and develop increasingly complex data and concept-driven visualization models. Students use complex 2D and 3D graphics, animation, editing, and image analysis tools to better understand, illustrate, and explain concepts. Students present technical, mathematical, and/or scientific concepts and principles. Activities are structured to integrate physical and social sciences, mathematics, English language arts, and art. *(Approved Honors)*

**SPORTS AND ENTERTAINMENT MARKETING I**

In this course, students are introduced to the industry of sports, entertainment, and event marketing. Students acquire transferable knowledge and skills among related industries for planning sports, entertainment, and event marketing. Topics included are branding, licensing, and naming rights, business foundations, concessions and on-site merchandising, economic foundations, human relations, and safety and security.

**SPORTS AND ENTERTAINMENT MARKETING II***Prerequisite: Sports and Entertainment Marketing I*

In this course, students acquire an understanding of sports, entertainment, and event marketing. Emphasis is on business management, career development, client relations, contracts, ethics, event management, facilities management, legal issues, and sponsorships. *(Approved Honors)*

**STRATEGIC MARKETING**

This course challenges junior and seniors by combining into one course the content of Marketing and Marketing Management courses. The curriculum, activities, and resources utilized in this course are written at the freshman college level. The Strategic Marketing course focuses on the impact of marketing on society, procedures used in buying behavior, procedures to manage marketing information, procedures to develop and manage products, pricing procedures, promotion, marketing channels, supply chain management, retail operations, and global marketing.



## PATHWAY AND COURSE INFORMATION FOR STUDENTS WITH INDIVIDUALIZED EDUCATION PROGRAMS (IEPS)

Graduation pathway decisions for students with IEPs should be made within the context of an IEP meeting. Teams should carefully consider the type and location of the specially designed instruction that the student requires, as well as the student's post-secondary goals when considering options.

Pathway	Future Ready Core Diploma	Occupational Course of Study Diploma	Extended Content Standards
<b>Alignment to post-secondary goal</b>	Course requirements prepare students for 4 years of College or a University, or military	Course and hour requirements prepare students for the workforce, some community college programs, Students are not eligible to attend a 4 year college without completing additional coursework following graduation	Courses and experiences are designed to support students with transition toward independent living
<b>Curriculum</b>	Content area courses follow North Carolina State Standards	Content area courses follow North Carolina State Standards	Content area courses follow the North Carolina Extended Content Standards
<b>Outcome</b>	High school diploma received upon completion of all requirements	High school diploma received upon completion of all requirements	Gradation certificate received upon graduation
<b>Courses*</b>	<p>*See page 19 in Course Guide for additional information on course options for students following the Future Ready Core Diploma Pathway.</p> <p><b>Learning Lab Elective</b> This course provides an opportunity for specially designed instruction for the individual needs of students with disabilities. It may or may not include the following: core content assistance, learning strategies, and/or instructional support.</p>	<p><b>English</b> English I English II English III English IV</p> <p><b>Mathematics</b> Intro to Math NC Math 1 Financial Management</p> <p><b>Science</b> Applied Science Biology</p> <p><b>Social Studies</b> History American History, the Founding Principles, Civics and Economics American History I or American History II</p> <p><b>Electives/Other</b> Preparation 1 Preparation 2 Preparation 3 Preparation 4 Lab 1 Lab 2 Lab 3 Lab 4</p> <p><b>Career Technical Education</b> 4 courses</p> <p><i>Students following the Occupational Course of Study must also complete 150 School-Based Training hours, 225 Community-Based Training hours, &amp; 225 Paid Employment Hours.</i></p>	<p><b>English</b> English Language Arts I English Language Arts II English Language Arts III English Language Arts IV</p> <p><b>Mathematics</b> Math 9 Math 10 Math 11 Math 12</p> <p><b>Science</b> Life Science 9 Biology 10 Earth/Environmental 11</p> <p><b>Social Studies</b> Social Studies 1 Social Studies 2 Social Studies 3 Social Studies 4 Electives/Other Exploring Careers Life Skills Personal Living</p> <p><b>Transition Year 1</b> Self-advocacy Safety Community Living Transportation</p> <p><b>Transition Year 2</b> Communication Community Living 2 Food &amp; Nutrition Home Care</p>

\*See page 19 in Course Guide for additional details on credit requirements for each diploma pathways



### WHERE IS MY CHILD RECEIVING SPECIALLY-DESIGNED INSTRUCTION (SDI)?

	Class type	Description	Location
<b>Future Ready Core Diploma Pathway</b>	Co-taught Classroom	Station: General Education class is divided into three small groups ("stations"), all students rotate through all of the groups. At one of three stations, the EC teacher provides SDI.	General Education
		Parallel: All students in the General Education class are divided into two groups; EC teacher provides SDI within context of lesson to one of the groups.	
		Alternative Teaching: EC teacher pulls a small group from the General Education class to provide SDI and then returns to whole group lesson.	
	EC Resource Room	Students are pulled out of their General Education class to receive literacy instruction. EC teacher provides content and/or SDI to students in a small group setting.	Special Education
Learning Lab	Middle and High school only. Students participate in this class in addition to their content area courses (often during an elective block). EC Teacher provides content and SDI to students in a small group setting.		
<b>Occupational Course of Study Diploma Pathway</b>	Occupational Course of Study	High school only. Students participate in this rather than participating in a General Education class. Students receive SDI in a small group setting, and the coursework is adjusted to align with postsecondary outcomes.	Special Education
<b>Extended Content Standards Pathway</b>	Extensions Program	Students follow a modified curriculum and spend the majority of their day in this setting (some students may participate in electives outside of this setting). EC teacher provides small group and individualized SDI in the separate setting.	

## SPORTS OFFERINGS

Fall	Winter	Spring
Cheerleading- JV	Basketball - Men's JV	Baseball - JV
Cheerleading-Varsity	Basketball - Men's Varsity	Baseball - Varsity
Cross Country -Men's	Basketball - Women's JV	Golf - Men's
Cross Country -Women's	Basketball - Women's Varsity	Soccer - Women's JV
Football -JV	Cheerleading- JV	Soccer - Women's Varsity
Football-Varsity	Cheerleading-Varsity	Softball - Women's JV
Golf - Women's	Indoor Track	Softball - Women's Varsity
Soccer-Men's JV	Swimming & Diving - Men's	Tennis - Men's
Soccer-Men's Varsity	Swimming & Diving - Women's	Track - Men's
Tennis-Women's	Wrestling	Track - Women's
Volleyball-Women's JV		
Volleyball-Women's Varsity		

**Vision: To ensure all student-athletes become responsible citizens and demonstrate a spirit of generosity, sportsmanship and teamwork as effective participants in the arena of society.**

### RESPONSIBILITIES OF PARENTS AND STUDENT-ATHLETES (NOT LIMITED TO)

- Must adhere to all North Carolina High School Athletic Association (NCHSAA) and CMS athletic eligibility regulations.
- Must sign all NCHSAA and CMS required athletic eligibility participation forms.
- Must provide proof of medical or accident insurance.
- Must pay the participation fee (\$100 per sport season) or meet waiver criteria prior to the first contest in each sport season.
- Student-athlete must receive a health screening each year (365 days) by a duly licensed physician, nurse practitioner or physician assistant.
- Must attend a required pre-season meeting at the school prior to sport season (fall, winter and/or spring).
- Must not accept prizes, merchandise, money or any item that can be exchanged for money as a result of athletic participation.
- May not, as an individual or as a team, practice during the school day.
- May only attend summer camps to which the athlete or his/her parents pay the fees.

### ADDITIONAL INFORMATION

Athletic information included in this High School Planning Guide is provided as a resource. Specific questions or clarifications of athletic information and/or eligibility should be addressed to the school's athletic director. For additional information, contact the Charlotte-Mecklenburg Schools Department of Athletics Web site at [www.cms.k12.nc.us/departments/athletics](http://www.cms.k12.nc.us/departments/athletics) or call (980) 343-6980

### ATHLETIC ELIGIBILITY REQUIREMENTS

Only students in grades 7-12 may participate in interscholastic athletic competition (North Carolina Board of Education Regulation). In order to qualify for public school athletic or extra-curricular participation, a student must meet the following eligibility requirements, but is not limited to:

#### GENERAL ACADEMIC REQUIREMENTS

- Must meet local promotion standards
- Must have earned a 2.0 GPA from previous semester
- Must have 85 percent attendance from previous semester
- Must have passed a minimum load of work during the previous semester
- Must be currently enrolled in at least one-half of the minimum academic course load
- Must be in attendance at school for at least one-half of the instructional day
- Shall not participate if he/she becomes 19 years of age on or before August 31 of said school year

### EXCEPTIONAL CHILDREN

The 2.0 eligibility rule will be waived if (1) IEP goals are being met; (2) satisfactory progress is being made in mainstreamed classes and (3) has the principal's recommendation.

### EXTENDED YEAR

A student interested in participating in athletics should speak with the school counselor AND school athletic director prior to enrolling in a credit recovery or summer school class.

Student-athletes who take classes in the summer to make up credits should be aware that they will not earn letter grades in credit recovery courses. These courses are graded "pass/fail." This means that credit recovery courses do not affect a student's GPA positively or negatively: a "P" in a credit recovery course will not help to improve a 2nd semester GPA that is below a 2.0. Credits are awarded for passing these courses. So a credit earned in a credit recovery course will count towards the NC High School Athletic Association's minimum course pass count requirement and towards local promotion credit requirements.

Summer school classes taken outside CMS can help athletic GPA ("the 2.0 rule"), pass count and promotion if the class is repeated for a failed year course. The summer school class must be approved by school principal prior to enrolling.

### ATHLETIC PARTICIPATION

- Students must be enrolled at the school to which they are properly assigned under CMS student assignment rules.
- Student-athletes establish a "sports school" at which they are eligible to participate in interscholastic athletics. The sports school for new students and 9th graders is the school in which the student is enrolled on the official first day of school.
- For other students, the sports school will usually be either the school attended the previous 365 days or the student's home school. There are exceptions to this general rule. Contact the Charlotte-Mecklenburg Schools Athletics Department for detailed information at (980) 343-6980.
- A student-athlete who changes schools after establishing a sports school, unless the new school is the student's home school, is ineligible for 365 days. (A "home school" is the school that serves the area where the student lives.) This rule applies to students who transfer from a magnet program to another school or magnet program, even if they are on the same campus.
- A student-athlete is prohibited from playing the same sport at two schools during the same sports season, even if the second school is the student's home school.
- No student may be eligible to participate at the high school level for a period lasting longer than eight (8) consecutive semesters, beginning with the student's entry into the ninth grade or participation on a high school team, whichever occurs first. For students who skip the ninth grade and advance directly to the 10th from the eighth, the year prior to entering the 10th grade is considered the first year of entry into ninth grade for athletics. The principal shall have evidence of the date of each player's entry into ninth grade. The North Carolina cumulative record is sufficient.

CMS has two (2) methods of anonymous communication for individuals to report suspected violations of athletic eligibility requirements:

**1. PLAYFAIR@CMS.K12.NC.US**

**2. (980) 343-1098**

For more information about athletic-eligibility rules and the consequences for violations: [www.cms.k12.nc.us](http://www.cms.k12.nc.us)



# High School Planning

Use this log to begin drafting a plan to achieve your career goals.

## 9<sup>TH</sup> GRADE

Semester 1 Classes	Credits	Semester 2 Classes	Credits
_____ / _____	<input type="radio"/>	_____ / _____	<input type="radio"/>
_____ / _____	<input type="radio"/>	_____ / _____	<input type="radio"/>
_____ / _____	<input type="radio"/>	_____ / _____	<input type="radio"/>
_____ / _____	<input type="radio"/>	_____ / _____	<input type="radio"/>
_____ / _____	<input type="radio"/>	_____ / _____	<input type="radio"/>
_____ / _____	<input type="radio"/>	_____ / _____	<input type="radio"/>
Total Credits _____		Total Credits _____	

### Career Interest Activities

(school organizations, employment, etc.)

\_\_\_\_\_

\_\_\_\_\_

### Awards • Honors • Achievements

\_\_\_\_\_

\_\_\_\_\_

## 10<sup>TH</sup> GRADE

Semester 1 Classes	Credits	Semester 2 Classes	Credits
_____ / _____	<input type="radio"/>	_____ / _____	<input type="radio"/>
_____ / _____	<input type="radio"/>	_____ / _____	<input type="radio"/>
_____ / _____	<input type="radio"/>	_____ / _____	<input type="radio"/>
_____ / _____	<input type="radio"/>	_____ / _____	<input type="radio"/>
_____ / _____	<input type="radio"/>	_____ / _____	<input type="radio"/>
_____ / _____	<input type="radio"/>	_____ / _____	<input type="radio"/>
Total Credits _____		Total Credits _____	

### Career Interest Activities

(school organizations, employment, etc.)

\_\_\_\_\_

\_\_\_\_\_

### Awards • Honors • Achievements

\_\_\_\_\_

\_\_\_\_\_

### Questions to Consider:

Do you need more education?

Will an apprenticeship or four-year college program help you achieve personal goals?

# High School Planning

Use this log to begin drafting a plan to achieve your career goals.

## 11<sup>TH</sup> GRADE

Semester 1 Classes	Credits		Semester 2 Classes	Credits	
_____ / _____	_____	<input type="radio"/>	_____ / _____	_____	<input type="radio"/>
_____ / _____	_____	<input type="radio"/>	_____ / _____	_____	<input type="radio"/>
_____ / _____	_____	<input type="radio"/>	_____ / _____	_____	<input type="radio"/>
_____ / _____	_____	<input type="radio"/>	_____ / _____	_____	<input type="radio"/>
_____ / _____	_____	<input type="radio"/>	_____ / _____	_____	<input type="radio"/>
_____ / _____	_____	<input type="radio"/>	_____ / _____	_____	<input type="radio"/>
Total Credits _____			Total Credits _____		

**Career Interest Activities**  
(school organizations, employment, etc.)

\_\_\_\_\_

\_\_\_\_\_

**Awards • Honors • Achievements**

\_\_\_\_\_

\_\_\_\_\_

## 12<sup>TH</sup> GRADE

Semester 1 Classes	Credits		Semester 2 Classes	Credits	
_____ / _____	_____	<input type="radio"/>	_____ / _____	_____	<input type="radio"/>
_____ / _____	_____	<input type="radio"/>	_____ / _____	_____	<input type="radio"/>
_____ / _____	_____	<input type="radio"/>	_____ / _____	_____	<input type="radio"/>
_____ / _____	_____	<input type="radio"/>	_____ / _____	_____	<input type="radio"/>
_____ / _____	_____	<input type="radio"/>	_____ / _____	_____	<input type="radio"/>
_____ / _____	_____	<input type="radio"/>	_____ / _____	_____	<input type="radio"/>
Total Credits _____			Total Credits _____		

**Career Interest Activities**  
(school organizations, employment, etc.)

\_\_\_\_\_

\_\_\_\_\_

**Awards • Honors • Achievements**

\_\_\_\_\_

\_\_\_\_\_

## Other Details to Address Before Graduation:

Exams required for further education or entry into a chosen career:

\_\_\_\_\_

\_\_\_\_\_

Cost of postsecondary education and financing options:

\_\_\_\_\_

\_\_\_\_\_





**Government Center**

600 East Fourth Street, Fifth Floor

Charlotte, NC 28202

[www.cms.k12.nc.us](http://www.cms.k12.nc.us)

# 2018-2019

## HIGH SCHOOL PLANNING GUIDE

**Note:** We suggest students and parents or guardians keep this handbook throughout the remainder of a student's attendance in Charlotte-Mecklenburg Schools since the requirements that will have to be met for graduation are listed here.

The information provided is current at the time of printing, but it is recommended that you work closely with your school counselor to be aware of any last-minute changes.