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CURRICULUM

When a student enters Covington High School, the student, parents, and counselor cooperatively select an appropriate course of study. The selection of the course of study for a student is based on teacher recommendations, achievement in schools previously attended, level of ability, and future goals and aspirations. There are two basic courses of study at CHS: Standard Studies, Advanced Studies. A third course of study, Applied Studies, is available to students with an Individualized Education Plan who need it to be successful. Each course of study has the flexibility to meet the various needs of our students. Students may choose to adopt their chosen course of study according to their particular needs and interests.

All students need to plan an appropriate high school course of study for Grades 8-12. To get the most from their high school experiences, students need guidance and assistance in selecting courses in terms of sequence and relating courses to a possible post-high school career choice.

Early program planning can have a substantial impact on the development of a good education and career plan by students in high school. Parent involvement is a significant aspect of the planning process.

SCHEDULING PROCESS

School counselors have a conference with each student to answer questions and assist him/her in making final choices of subjects for the next school year. Alternate choices are made for electives, and the school reserves the right to assign students to their alternate choice or another course if necessary due to scheduling conflicts.

Counselors work carefully with each student to choose the courses needed for graduation with the appropriate diploma, for postsecondary admission, for employment, and for courses requested by the NCAA for athletic eligibility at Division I colleges. Counselors also discuss students' past academic progress, their aptitudes, their interests, and their post graduation plans so that course selection will help to ensure success and satisfy future goals. Placement into particular classes may be determined by consideration of current teachers' recommendations, grades, and, in some cases, diagnostic test results.

Students take their completed Registration Forms home, have their parent/guardian review them, and then return the signed sheets to their school counselor. If students wish to be registered for a class for which they are not recommended, a parent must arrange a conference with the teacher of the class and may be required to sign a contract. These requirements are in place to help encourage students to take courses in which they can be successful.

All classes, including CTE courses and programs, are offered regardless to race, color, national origin, sex, or disability.

POLICY FOR CHANGING REQUIRED SUBJECTS

A student may request a change in track or level in a particular required subject at any time during the first 5 days of school. He/she may be granted the change provided that the following criteria are met:

- (a) The teacher of the dropped class agrees that the change should be made.
- (b) The teacher of the class to be added approves and there is space available in the class.
- (c) The counselor agrees the change should be made.
- (d) The parent approves/requests the change.
- (e) The school principal approves the change.
- (f) The change is made without any adverse effect on the rest of the student's schedule.

At the end of the first semester, the student may request a track or level change, but all of the conditions and procedures listed above apply. The student may not request a change back to his originally scheduled level for that academic year.

POLICY FOR CHANGING ELECTIVES

A student may drop an elective subject that has been scheduled for the next school year and may enroll in another elective without penalty until July 5, 2018. For example, if a student is scheduled for Tech Foundations for 2018-2019, he/she may drop that class in favor of Keyboarding by personally contacting his/her counselor and by completing a schedule change request form before Thursday, July 5, 2018. After July 5th, 2018 and before the sixth day of the first six weeks grading period a student may drop an elective and enroll in another elective under the following conditions:

- (a) There is room in the new elective class for another student.
- (b) The teacher of the dropped class agrees that the change should be made.
- (c) The teacher of the class to be added approves.

- (d) The counselor agrees the change should be made.
- (e) The parent approves/requests the change.
- (f) The school principal approves the change.
- (g) The change is made without any adverse effect on the rest of the student's schedule.

On or after July 5th, 2018 and before the eleventh school day of the new term, the student may drop an elective without penalty; but, he/she may **NOT** enroll in another elective unless the elective he/she prefers is offered at the same period as the one he/she drops and there is room for him/her in the new class. Before a student may withdraw from a class, he/she must see his/her counselor to make sure that the loss of credit will not affect the requirements for graduation. Schedule changes made at this time must also be approved by the principal.

ATTENTION ATHLETES

Under Virginia High School League (VHSL) policy, in order to be academically eligible to represent a school in any VHSL interscholastic athletic contest, a student must have passed at least five credit subjects, or the equivalent, the previous semester and must be currently taking not fewer than five credit subjects or the equivalent for participation during the second semester. Under CCPS 4x4 block schedule, one block is the equivalent of two traditional credits. A student who takes/passes three blocks is taking/passing the equivalent of six credits. For students taking A/B courses, each course will count as one course. A subject for which credit has previously been granted may not, if repeated, be used by any student to satisfy the requirements of the VHSL policy. If a student drops a class during a semester leaving fewer than five courses or the equivalent in his or her schedule, the athlete immediately becomes ineligible to participate in a sport that semester or the succeeding semester. Freshmen are eligible for the fall semester if they are promoted from the eighth grade. Students must also meet any additional requirements as established by VHSL policy. Information regarding eligibility can be found at www.vhsl.org.

If you are planning to enroll in college as a freshman and you wish to participate in Division I or Division II athletics, you must be certified by the NCAA-Eligibility Clearinghouse. Certification may be completed online at <http://www.eligibilitycenter.org/> or in the guidance office. Please see your School Counselor or Mr. Jefferson / Mrs. Hale.

Standards of Learning Testing (SOL Testing)

First Semester: Students will take the Standards of Learning Writing test for any Grade 8 or Grade 11 English class in which they are enrolled during the first semester during October. Students will take the corresponding SOL tests for the classes in which they are enrolled during first semester during December. Students will also have an opportunity to retake SOL tests that they failed during previous SOL test sessions. Students will be offered remediation prior to retaking failed SOL tests. CTE Completers will also take the **Workplace Readiness Skills** test, which may count as a Student Selected Verified credit during first semester.

Second Semester: Students will take the Standards of Learning Writing test for any Grade 8 or Grade 11 English class in which they are enrolled during the second semester during March. Students will take the corresponding SOL tests for the classes in which they are enrolled during second semester. Students will also have an opportunity to retake SOL tests that they failed during previous SOL test sessions. Students will be offered remediation prior to retaking failed SOL tests. Also, Career Technology completers will be scheduled to take the **Workplace Readiness Skills** test, which may count as a student selected verified credit.

Standards of Learning Tests are offered at the end of the following courses: Grade 8 English Reading, Grade 8 Writing, Math 8, Physical Science, and Civics. End of Course Standards of Learning tests for high school verified credit are offered at the end of Grade 11 Writing, Grade 11 English Reading, Algebra I, Geometry, Algebra II, Earth Science, Biology I, Chemistry, World Geography, World History I, World History II, and US History.

Failure To Pass SOL Tests

Students who fail to score 400 or higher on the Grade 11 English End-of-Course SOL tests or the Eighth Grade English SOL tests may be required to take remediation classes in summer school or during the regular school year as a replacement for an elective class.

Failure to pass the required number of SOL tests needed for a senior's desired type of diploma will result in the student not being permitted to participate in the Covington High School graduation ceremony.

Programs are provided for students in need of special services. More information regarding these programs may be obtained from a school counselor or the special education teacher currently working with the student. Scheduling is done on an individual basis according to the needs of each student. Through the cooperation of the special education teacher and the classroom teacher, these students will receive academic assistance to enable them to achieve the goals of their classes. The instructional program in all special education classes is based on each student's Individual Educational Program (IEP). Various diploma options for special education students are available and will be determined by the IEP team in cooperation with the student and his/her parents.

GRADUATION REQUIREMENTS

For students beginning with the ninth-grade class of 2013-2014 and through the ninth-grade class of 2017-2018

STANDARD, ADVANCED STUDIES, AND STANDARD DIPLOMA WITH ACCOMMODATIONS

This MODIFIED STANDARD DIPLOMA will no longer be an option for students who have an Individual Education Plan (IEP) beginning with students who entered the ninth grade in 2013-2014. The MODIFIED STANDARD DIPLOMA will be folded into the STANDARD DIPLOMA beginning with students who entered the ninth grade for the first time in the 2013-2014 school year. All students have the opportunity to earn a Standard or Advanced Studies Diploma. Credit accommodations may be provided for students with disabilities who are unable to meet the requirements for a Standard Diploma. Guidelines for credit accommodations have been issued by the Virginia Department of Education. Students with disabilities who entered the ninth grade for the first time in 2013-2014 also have the option to earn an APPLIED STUDIES DIPLOMA.

STANDARD DIPLOMA

Discipline of Credit	Standard Credits Effective with the ninth graders of 2011-2012	Verified Units of Credit (SOL tests Passed)	SOL Tests
English – Grades 9, 10, 11, and 12	4	2	Grade 11 Writing Test and the Grade 11 Reading Test
Mathematics -At or above the level of Algebra and include two different courses from among Algebra I, Geometry, Algebra II or others above algebra & geometry	3	1	Algebra I, Geometry, Algebra II
Science -Must include 2 different disciplines from among earth science, biology, chemistry or physics (two years of Principles of Technology may be counted as a physics credit)	3	1	Earth Science, Biology, Chemistry
History-Social Science -Must include U.S. and VA History, U.S. and VA Government, and one of a variety of world history/geography options	3	1	World Geography, World History I, U.S. History
Physical Education and Health	2		
Foreign Language or Career & Technical Education	2		
Fine Art	1		
Economics and Personal Finance	1		
Elective -Two of the electives must be sequential	3		
Student Selected Tests		1	
Standard Units of Credits Required	22	6	

ADVANCED DIPLOMA

Discipline of Credit	Standard Credits Effective with the ninth grade class of 2011-2012	Verified Units of Credit (SOL Tests Passed)	SOL Tests
English – Grades 9, 10, 11, and 12	4	2	Grade 11 Writing Test and Grade 11 Reading Test
Mathematics -At or above the level of Algebra including three different courses from among Algebra I, geometry, Algebra II or above Algebra II	4	2	Algebra I, Geometry, Algebra II

Science -Must include 3 different disciplines from among earth sciences, biology, chemistry, or physics (two years of Principles of Technology may be counted as a physics credit)	4	2	Earth Science, Biology, Chemistry
History/Social Science -Must include U.S. and VA History, U.S. and VA Government, and two of a variety of world history/geography options	4	2	World Geography, World History I, U.S. History
Foreign Language -Must include three years of one language or two years of two languages	3		
Physical Education & Health	2		
Fine Art	1		
Economics and Personal Finance	1		
Electives	3		
Student Selected Tests		1	
Standard Units of Credit Required	26	9	

Notes

- The Standard and Advanced Studies Diplomas each contain a requirement for one standard unit of credit in Fine Arts or Career and Technical Education.
- Two of the student's electives must be sequential.
- Principles of Tech I & II must be completed to receive one Lab Science credit.
- The Economics and Personal Finance class becomes a requirement for all students beginning with the ninth grade class of 2011-2012.
- The 9th grade class of 2013-2014 will be required to successfully complete a virtual (online) class for graduation. The 9th grade class of 2013-2014 will be required to earn a board-approved Career & Technical credential for graduation.

For students beginning with the ninth-grade class of 2018-2019 and beyond

- Both the Standard Diploma and the Advanced Studies Diploma provide multiple paths toward college, career, and citizenship readiness for students to follow in the later years of high school. Each such pathway provides meaningful and rigorous opportunities tied to instruction to achieve workplace and citizenship skills through experiences such as internships, externships, credentialing, and blended learning, which may be offered for credit toward high school graduation.
- In accordance with the Profile of a Virginia Graduate, the instructional program leading to a Standard Diploma or Advanced Studies Diploma ensures that students (i) attain the knowledge, skills, competencies, and experiences necessary to be successful in the evolving global economy whether immediately entering the world of work or pursuing a postsecondary education and (ii) acquire and be able to demonstrate foundational skills in critical thinking, creative thinking, collaboration, communication, and citizenship.

Standard Diploma Credit Requirements

Discipline Area	Standard Credits	Verified Units of Credit (SOL Tests Passed)
English (reading and writing)	4	2
Mathematics	3	1
Laboratory Science	3	1
History and Social Science	3	1
Health and Physical Education	2	

World Language, Fine Arts or Career and Technical Education	2	
Economics and Personal Finance	1	
Electives	4	
Standard Units of Credit Required	22	5

Specifications

- **Mathematics:** Courses completed to satisfy this requirement shall include at least two different course selections from among: algebra I, geometry, algebra functions, and data analysis, algebra II, or other mathematics courses approved by the board to satisfy this requirement. A computer science course credit earned by students may be considered a mathematics course credit.
- **Laboratory Science:** Courses completed to satisfy this requirement shall include course selection from at least two different science disciplines: earth sciences, biology, chemistry, or physics. A computer science course credit earned by students may be considered a science course credit.
- **History and Social Science:** Courses completed to satisfy this requirement shall include Virginia and U.S. history, Virginia and U.S. government, and one course in either world history or geography or both.
- **Laboratory Science, and History and Social Science:** Students who complete a career and technical education program sequence and pass an examination or occupational competency assessment in a career and technical education field that confers certification or an occupational competency credential from a recognized industry, or trade or professional association, or acquires a professional license in a career and technical education field from the Commonwealth of Virginia may substitute the certification, competency credential, or license for either a laboratory science or history and social science verified credit when the certification, license, or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the board as an additional test to verify student achievement.
- **World Language, Fine Arts or Career and Technical Education:** Credits earned for this requirement shall include one credit in fine or performing arts or career and technical education. A computer science course credit earned by students may be considered a career and technical course credit.
- **Electives:** Courses to satisfy this requirement shall include at least two sequential electives.

Additional Graduation Requirements for Standard Diploma

- **Advanced Placement or Honors Course or Career and Technical Education Credential:** Students shall either
 - Complete an Advanced Placement or honors course, or
 - Earn a career and technical education credential approved by the board, except when a career and technical education credential in a particular subject area is not readily available or appropriate or does not adequately measure student competency, in which case the student shall receive satisfactory competency-based instruction in the subject area to satisfy the standard diploma requirements. The career and technical education credential, when required, could include the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness assessment.
- **Virtual Course:** Students shall successfully complete one virtual course, which may be a non-credit bearing course or a required or elective credit-bearing course that is offered online.
- **Training in emergency first aid, cardiopulmonary resuscitation (CPR), and the use of automated external defibrillators (AED):** Students shall be trained in emergency first aid, CPR, and the use of AED, including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation. Students with an IEP or 504 Plan that documents that they cannot successfully complete this training shall be granted a waiver from this graduation requirement.
- **Demonstration of the five Cs:** Students shall acquire and demonstrate foundational skills in critical thinking, creative thinking, collaboration, communication, and citizenship in accordance with the Profile of a Virginia Graduate.

Advanced Studies Diploma Credit Requirements

Discipline Area	Standard Credits	Verified Units of Credit (SOL Tests Passed)
English (reading and writing)	4	2

Mathematics	4	1
Laboratory Science	4	1
History and Social Science	4	1
World Language	3	
Health and Physical Education	2	
Fine Arts or Career and Technical Education	1	
Economics and Personal Finance	1	
Electives	3	
Standard Units of Credit Required	26	5

Specifications

- **Mathematics:** Courses completed to satisfy this requirement shall include at least three different course selections from among: algebra I, geometry, algebra II, or other mathematics courses above the level of algebra II. The board shall approve courses to satisfy this requirement. Per the Standards of Quality, a computer science course credit earned by students may be considered a mathematics course credit.
- **Laboratory Science:** Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines from among: earth sciences, biology, chemistry, or physics. The board shall approve additional courses to satisfy this requirement. Per the Standards of Quality, a computer science course credit earned by students may be considered a science course credit.
- **History and Social Science:** Courses completed to satisfy this requirement shall include Virginia and U.S. history, Virginia and U.S. government, and two courses in either world history or geography or both.
- **World Language:** Courses completed to satisfy this requirement shall include three years of one language or two years of two languages.
- **Fine Arts or Career and Technical Education:** A computer science course credit earned by students may be considered a career and technical credit.
- **Electives:** Courses to satisfy this requirement shall include at least two sequential electives.

Additional Graduation Requirements for Advanced Studies Diploma

- **Advanced Placement or Honors Course or Career and Technical Education Credential:** Students shall either
 - Complete an Advanced Placement or honors course, or
 - Earn a career and technical education credential approved by the board, except when a career and technical education credential in a particular subject area is not readily available or appropriate or does not adequately measure student competency, in which case the student shall receive satisfactory competency-based instruction in the subject area to satisfy the advanced studies diploma requirements. The career and technical education credential, when required, could include the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness assessment.
- **Virtual Course:** Students shall successfully complete one virtual course, which may be a non-creditbearing course or a required or elective credit-bearing course that is offered online.
- **Training in emergency first aid, cardiopulmonary resuscitation (CPR), and the use of automated external defibrillators (AED):** Students shall be trained in emergency first aid, CPR, and the use of AED, including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation. Students with an IEP or 504 Plan that documents that they cannot successfully complete this training shall be granted a waiver from this graduation requirement.
- **Demonstration of the five Cs:** Students shall acquire and demonstrate foundational skills in critical thinking, creative thinking, collaboration, communication, and citizenship in accordance with the Profile of a Virginia Graduate.

DIPLOMA SEALS

Governor’s Seal: Awarded to students who complete the requirements for an Advanced Studies Diploma with an average grade of B (3.0 GPA) or better and successfully complete college-level coursework that will earn the student at least nine transferable college credits in Advanced Placement (AP) or International Baccalaureate (IB) or dual enrollment courses.

Board of Education Seal: Awarded to students who complete the requirements for Standard Diploma or Advanced Studies Diploma with an average of A (4.0 GPA) beginning with the ninth-grade class of 2006-2007 and beyond.

Board of Education Career and Technical Education Seal: This seal will be awarded to students who:

- earn either a Standard or an Advanced Studies Diploma and complete a prescribed sequence of courses in a career and technical education concentration or specialization that they choose and maintain a “B” (3.0 GPA) or better average in those courses
- OR pass an examination or an occupational competency assessment in a career and technical education concentration or specialization that confers certification or occupational competency credential from a recognized industry, trade or professional association
- OR acquire a professional license in that career and technical education field from the Commonwealth of Virginia.

Board of Education’s Advanced Mathematics and Technology Seal: Awarded to students who earn either a Standard or Advanced Studies Diploma and satisfy all of the mathematics requirements for the Advanced Studies Diploma (four units of credit including Algebra II; two verified units of credit) with a “B” (3.0 GPA) or better; and either

- Pass an examination in a career and technical education field that confers certification from a recognized industry, trade, or professional association,
- OR acquire a professional license in that career and technical field from the Commonwealth of Virginia,
- OR Pass an examination approved by the Board that confers college-level credit in a technology or computer science area.

Board of Education Diploma Seal for Excellence in Civics Education: Awarded to students who meet each of the following four criteria:

- Satisfy the requirement to earn a Standard Diploma or an Advanced Studies Diploma
- Complete Virginia and United States History and Virginia and United States Government courses with a grade of “B” or higher
- Complete 50 hours of voluntary participation in community service or extracurricular activities, such as volunteering for a charitable or religious organization that provides services to the poor, sick, or less fortunate; participating in Boy Scouts, Girl Scouts, or similar youth organizations; participating in Junior Reserve Officer Training corps (JROTC); participating in political campaigns or government internships, or Boys State, Girls State or Model General Assembly; and participating in school-sponsored extracurricular activities that have a civics focus. Any student who enlists in the US military prior to graduation will be deemed to have met this community service requirement).
- Have good attendance with no disciplinary infractions as determined by the local school board policies.

GRADE PLACEMENT

GRADE 8	Student must be promoted from Grade 7
	GRADE 9 Student will be promoted from Grade 8 by passing three of the four core academic areas (English, Math, Science, and Social Studies) and pass at least five (5) subjects. Non-elective subjects that were failed in Grade 8 must be repeated.
GRADE 10	Student must have six (6) credits toward graduation
GRADE 11	Student must have twelve (12) credits toward graduation
	GRADE 12 Student must have eighteen (18) credits toward graduation,

PROPOSED TEST DATES FOR COLLEGE ENTRANCE TESTS

TEST DATES FOR ACT – 2018-2019	TEST DATES FOR SAT 2018-2019
September 8, 2018	August 25, 2018
October 27, 2018	October 5, 2019
December 8, 2018	November 3, 2018
February 9, 2019	December 1, 2018
April 13, 2019	March 9, 2019
June 8, 2019	May 4, 2019
	June 1, 2019
The PSAT/NMSQT (for 10th and 11th grade students) will be at CHS on October 17, 2018	

Jackson River Governor's School for Science, Mathematics, and Technology

Background

The Jackson River Governor's School is a program for students who are highly motivated for success in the areas of mathematics and science. Located at Dabney S. Lancaster Community College, students attend JRGS from 8:00 AM until 10:30 AM each day. While there, students take college courses in science and mathematics in a nurturing environment with a community of learners sharing the same goals and passion for excellence in education. Upon return to CHS students will attend class from 4th through 7th period. Covington City Public Schools provides bus transportation to and from DSLCC, so students are not permitted to drive.

ALL JRGS STUDENTS ARE REQUIRED TO RIDE A COVINGTON CITY SCHOOL BUS TO AND FROM DSLCC.

Admission

Students who are interested in attending the Jackson River Governor's School must complete an application for admission by the spring of 2018. Applications are reviewed by a committee from each participating school district. Finalists and alternates are selected and names are forwarded to the JRGS director, who then sends letters of acceptance in the spring of 2018. Students who fail to maintain a "C" or higher average in each of their courses at Jackson River Governor's School classes through the first semester will not be permitted to return to the Governor's School for the second semester.

Applicants should meet the following criteria:

1. Complete Algebra I in the eighth grade, Geometry in the ninth grade and Algebra II by the end of the tenth grade with an A as the final grade.
2. Complete Earth Science and Biology with a final grade of an A.
3. Exhibit above average performance in most subjects and superior performance in mathematics and science.
4. Show evidence of aptitude, potential, and strong interest in science and mathematics.
5. Exhibit evidence of intellectual curiosity, analytical thinking, and problem solving ability.
6. Have a sincere desire to attend JRGS
7. Must take the PSAT and score at least 52 on the Math section or take the SAT and score at least 520 on the Math section or take the ACT and score at least 21.
8. Each applicant must compose a typed two page essay explaining why the courses selected in the Governor's School will benefit their future educational endeavors.

Selection criteria considered by the screening committee will also include:

1. Standardized test scores
2. Achievement in science and mathematics
3. Attendance consistency
4. Recommendations of teachers and counselors

Junior Year Courses

4330DL	Advanced Biology
4410DL	Advanced Chemistry
3192DL	Statistics
3175DL	Precalculus
4610DL	Introduction to Research

Senior Year Courses

4510DL	College Physics (or the junior year science course that the student did not take as a junior)
3177DL	Calculus
8490DL	Explorations in Engineering

SEE YOUR SCHOOL COUNSELOR FOR MORE INFORMATION OR CONTACT THE GOVERNOR'S SCHOOL DIRECTOR, MR. EDDIE GRAHAM AT 540-863-2872.

Other Courses Available at Covington High School

Co-Enrollment Course Available Through DSLCC Illuminate Program

Dabney S. Lancaster Community College has courses that are offered each semester through Illuminate or the Blackboard classroom management tools. Although students must be involved in classroom activities via computer during the meeting time each week, they do not have to be physically present on campus. Students would participate in this course utilizing Covington High School's computer labs during the class period they have scheduled. To be eligible for these courses, students must complete a DSLCC application and they must also take a placement test or provide a copy of the SAT/ACT score report with satisfactory scores. Students must also submit an official high school transcript and payment for the course. For the 2018 fall semester, the tuition cost for a three credit hour course was \$461.25 (college tuition is subject to change). Prior to registration for these courses students must request approval from the Covington High School principal and Guidance Department. Students can utilize these courses as an elective if he or she plans to transfer to a four year college or remain at a community college. In order to take these courses, students will have to coordinate their schedules with the guidance department. All the requirements to enroll including registration fees, tuition payments, and the cost of textbooks must be complete by the end of the current school year and are the responsibility of the student and his or her parents. Course offerings are subject to change and will vary per semester. Students will only be allowed to take a course that coincides with the Covington High School daily schedule.

Dual Enrollment Courses

Dual enrollment gives high school students the opportunity to earn college credits while meeting the requirements for high school graduation. College credits earned through dual enrollment can be applied toward graduation at Dabney S. Lancaster Community College and most may be transferred to another college or university. To enroll in a dual enrollment course, a student must be a high school junior or senior who is prepared for the demands of college-level course work. Students must obtain permission from their parent/guardian, school counselor, and high school principal, as well as, complete the College's placement testing process, and be accepted for admission by DSLCC. DSLCC provides dual enrollment opportunities in a variety of formats for eligible students. Sometimes dual enrollment courses are offered exclusively for students at Covington High School. Any Covington High School student who withdraws from a dual enrollment class before the class concludes will be responsible for the tuition, textbook, and any other fees associated with the dual enrollment class.

Early College Scholars

Students enrolled as Early College Scholars will have their tuition and AP exam fees paid by the Virginia Department of Education. Early College Scholars receive a certificate from the Governor recognizing their achievement.

Students become Early College Scholars by signing an Early College Scholar Agreement. To qualify, a student should meet the following criteria:

- *Have a B average or better

- *Be on track for an Advanced Studies Diploma

- *Be in the process of completing or have already completed college level coursework that will earn at least 15 transferable college credits.

The Early College Scholar agreement is located at <http://www.doe.virginia.gov/VDOE/senioryearplus/earlycollegescholars.shtml>

Postsecondary Education and Employment Data

The school division's Career & Technical Education (CTE) program must include notice on its website to enrolled high school students and their parents of (1) the availability of postsecondary education and employment data published by the State Council of Higher Education (Hint: Use the drop-down box to search by institution.), and (2) the opportunity for such students to obtain a nationally recognized career readiness certificate at a local public high school, comprehensive community college, or workforce center. The Virginia Department of Education Office of Career and Technical Education also recommends the CTE resources provided by Trailblazers.

Work-Based Learning Program

Program Overview

9th-10th Grade: Job Shadowing Experiences

11th-12th Grade: Work-Based Learning Opportunities

Work-Based Learning

Work-Based learning (WBL) encompasses a wide range of on-the-job experience in relation to students' career goals and/or interests, and stem from partnerships with local businesses and organizations in the community.

Work-based learning enables students to apply classroom instruction in a real-world business or service-oriented work environment.

Types of Work-Based Learning

- Job Shadowing
- Mentorship
- Internship
- Service Learning
- Clinical Experience
- Apprenticeship
- Cooperative Education

Job Shadowing (9th - 10th Grade)

Job shadowing is a method of short-term, school-coordinated career exploration in which the student interviews a competent worker about his/her job and industry and “shadows” (follows) the worker to observe the performance of a variety of job tasks.

Job shadowing is less intensive than the other methods and is usually the first form of workplace assignment given to a student. Prior to job shadowing, the student receives instruction about careers and the process of career choice, develops appropriate questions to ask, and learns the rules and guidelines for grooming, dress, and behavior in the workplace. Once the student has identified a career interest, path, or goal, job shadowing helps the student make informed career decisions and focus his/her studies.

Mentorship

Mentorship is a structured, school-coordinated method that enables the student to learn about the industry and the workplace from a selected worker who has a recognized record of achievement in the occupational field. It requires student preparation, including career exploration, prior to the experience. Mentorship is more complex than job shadowing but less demanding and often of shorter duration than internship or service learning.

Internship

Internship is a progressive, school-coordinated method that places the student in a real workplace environment in order to develop and practice career-related knowledge and skills needed for a specific entry-level job. An internship provides hands-on experience in a particular industry or occupation related to the student's career interests, abilities, and goals, and allows him/her to document job-related experiences. Currently, interns may be paid or unpaid. Prior to an internship, the student receives the established criteria and guidelines from the workplace supervisor, and throughout the internship, the supervisor evaluates the student (Pass/Fail).

Junior/Senior Internship Program

Students can earn high school credit for participating in an internship by enrolling in our Junior/Senior Internship program. Internships can be completed during school hours, weekends, or over the summer.

How can you earn credit?

- Communicate with your school counselor about your intentions to participate in an internship during the course registration process. (Internships can be done for credit over the summer.)
- Work with your school's Internship Coordinator to complete the application process and establish an internship site.
- Submit a training plan that is developed with your Internship Sponsor.
- Create a portfolio documenting experiences and log 90 hours at the Internship site.
- Have the Internship Sponsor complete the evaluation forms as required.

Service Learning

Service learning is a method in which the student engages in community-service work for a specified number of hours in order to gain developmental experience. Students and teachers cooperate with local leaders to address community problems and issues, resulting in student service to the community and development of personal, workplace-readiness, academic, and citizenship skills. Students engage in critical, reflective thinking and experience the relationship of theory and practice.

Clinical Experience

Clinical experience is a form of cooperative education for health and medical sciences students, except that students are not paid for their clinical work. Clinical experience provides the student with an opportunity to integrate knowledge acquired in the classroom with clinical practice, and it affords practice of the fundamental skills, behaviors, and attitudes needed for professional competence in the

healthcare field.

Clinical experience is based on observation and treatment of patients at different stages of medical practice. These experiences place students in a variety of healthcare settings so they may better understand the scope of the profession and healthcare needs. Like cooperative education, clinical experience is closely supervised, qualifies students for credit toward graduation, and requires a significant number of on-site hours (established by the Virginia Board of Nursing or the Virginia Department of Health).

Apprenticeship

Student apprenticeship is a career preparation WBL method that provides the student with opportunities to use job skills and reinforces academic instruction under the guidance of a supervisor in a specific occupational area. Student apprentices are paid for their work. Like cooperative education, student apprenticeship is closely supervised by the school coordinator, qualifies students for credit toward graduation, and requires a significant number of on-site hours (up to a maximum of 20 hours per week). Student apprenticeship is designed to lead students directly into an entry-level job for highly skilled technicians, a registered apprenticeship, or a postsecondary program.

Cooperative Education

Cooperative education is a career preparation WBL method that combines CTE classroom instruction with paid employment that is directly related to the student's plan of study. The school and the employer plan, coordinate, and supervise the instruction and employment so that each contributes directly to the student's career objectives and employability. Students may earn credit toward graduation for cooperative education experiences, and they normally work between 5-10 hours per week to achieve a minimum of 90 hours per semester

How do I learn credit?

- Contact your school counselor and let them know you are interested in Cooperative Education.
- Obtain a paid job related to a Career and Technical Education course.
- Be enrolled in a related Career and Technical Education course.
- Maintain your job for the entire semester.
- Work with the Cooperative Education coordinator to submit required documentation.

Course Placement

Covington High School provides a comprehensive academic program to promote the achievement of every student. A key component of our program is ensuring that all secondary students are placed in courses that deliver an appropriate level of challenge. Covington High School will collect and analyze multiple pieces of student data in order to make course placement decisions, including grades, SOL test scores, performance on screening assessments, and teacher recommendations.

To address the needs of students who have struggled to meet SOL requirements, CHS provides needs-based, high school classes to prepare students for success.

Parents will be informed of placement decisions for the coming school year prior to the end of the current school year. ?

CHS offers the following types of courses to provide additional instructional time for students to develop, understand, and apply the concepts and skills of a course, or to develop/strengthen skills and strategies so that they can be successful in high school classes:

1. A course may be split into a two-course sequence to provide additional instructional time for students to develop, understand, and apply the concepts and skills of the course. The complete curriculum is taught over the span of the two-course sequence, typically a 90-minute block each semester within the same school year. To earn the credit necessary to meet graduation requirements, students must successfully complete both parts of the two-course sequence.
2. A first semester elective course may be paired with a second semester course for students who need additional time and intervention strategies to develop/strengthen the necessary skills and strategies to be successful in the course and as they study the curriculum.
3. Students who are at risk of not passing an SOL EOC test, or who have already failed an SOL EOC test, may be assigned to a course that provides the necessary remediation to be successful.

Virtual Virginia Course Offerings

Virtual Virginia, a program of the Virginia Department of Education, is the Commonwealth's online course program; it provides Advanced Placement, world language, elective, and core classes to students across the state and nation. The courses utilize rich media, text, video segments, animation, audio clips, whiteboard demonstrations, and online discussions. Students do not have to take any of the classes in real time, so the courses may be scheduled at any point throughout the student's school day. Many Virtual Virginia classes require an Advanced Placement Exam at the conclusion of the course. Students must obtain permission from the CHS Administration and Guidance before they may enroll in a Virtual Virginia class. Students who are enrolled in these courses have 21 days from the first class to withdraw from the course. If a student drops after the 21st day of a Virtual Virginia class they must reimburse Covington City Public Schools a \$75.00 withdrawal fee and the cost of any required textbooks.

Students who take Advanced Placement classes, Jackson River Governor's School classes, selected Virtual Virginia courses, and some Dual Enrollment classes from a college or university will have their grades weighted. Jackson River Governor's School and Virtual Virginia classes will have their grades weighted an additional 7 points at the end of each semester, but not at any six weeks grading period. Six weeks grades in these classes are current grade updates and are not used to calculate the student's final semester grade. A student's GPA will be calculated at the end of the second semester using the weighted grades. (Some students may qualify for financial assistance for payment of the AP exams. See your Guidance Counselor for information.)

Covington High School Courses for Eighth Grade

REQUIRED COURSES FOR ALL EIGHTH GRADE STUDENTS ---- English 8
 Math 8, Algebra I, or Algebra I Parts I and II
 Civics
 Physical Science 8
 Physical Education 8

English

1120C	English 8
1120CP	English 8 Advanced
1120Y	Progressive English 8
1181C	Fusion I
1182C	Fusion II
1183C	Ispire

Mathematics

3112C	Math 8
3130C	Algebra I

Social Studies

2220C	Civics
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Science

4125C	Physical Science 8
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Physical Education

7200C	PE 8
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ELECTIVES

Foreign Language

5510C	Spanish I for selected students.
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Business

6152C	Keyboarding Applications
6612C	Computer Information Systems

Family and Consumer Science

8210C	Individual Development
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Technology

8403C	Technology Foundations
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Art

9121C	Art Foundations
9130C	2D Art
9140C	3D Art

Music

9231C	Advanced Band I
9232C	Advanced Band II
9285C	Advanced Chorus I
9286C	Advanced Chorus II
9225C	Music Theory
9250C	Small Ensemble Music

Additional Requirements – Beginning with the ninth grade Class of 2012-2013 all students will be required to pass the Economics and Personal Finance course (6120C) to graduate. Beginning with the 9th grade class of 2013-2014, students will also be required to successfully complete a virtual (online) class for graduation and to earn a board-approved Career & Technical Education credential for graduation.

Covington High School Courses for Ninth Grade

English

1130C	English 9
1130CP	English 9 CP
1181C	Fusion I
1182C	Fusion II
1183C	Ispire
1300C	Speech Fundamentals
1410C	Theatre I
1430C	Theatre II

Social Studies

2210C	World Geography
6120C	Economics and Personal Finance

Math

3130C	Algebra I
3131C	Algebra I Part I
3132C	Algebra I Part II
3143C	Geometry
3134C	Algebra Functions and Data Analysis

Science

4210C	Earth Science
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Foreign Language

5510C	Spanish I
5520C	Spanish II

Business

6152C	Keyboarding Applications
6612C	Computer Information Systems
6613C	Advanced Computer Information Systems

Physical Education

7300C	PE 9
7640C	Weight Training/Conditioning Beginning
7641C	Weight Training/Conditioning Advanced

7642C Aerobics, Dance, and Flexibility Training

Family and Consumer Science

8210C Individual Development

Health and Medical Sciences

8302C Introduction to Health and Medical Sciences

Technology

8403C Technology Foundations

8405C Technology Transfer

8407C Technology Assessment

Art

9121C Art Foundation

9130C Two Dimensional Art

9140C Three Dimensional Art

9145C Independent Studio Art

Music

9287C Advanced Chorus III

9288C Advanced Chorus IV

9233C Advanced Band III

9234C Advanced Band IV

9225C Music Theory

9250C Small Music Ensemble

Additional Requirements – Beginning with the ninth grade Class of 2012-2013 all students will be required to pass the Economics and Personal Finance course (6120C) to graduate. Beginning with the 9th grade class of 2013-2014, students will also be required to successfully complete a virtual (online) class for graduation and to earn a board-approved Career & Technical Education credential for graduation.

Covington High School Courses for Tenth Grade

English

1140C English 10

1140CP English 10 Advanced

1215C Photojournalism (prerequisite: teacher approval)

1410C Theatre I

1430C Theatre II

1165C World Mythology

1300C Speech Fundamentals

1181C Fusion I

1182C Fusion II

1183C Ispire

JACKSON RIVER VOCATIONAL CENTER COURSES

See Course Descriptions for 1st year JRTC classes.

Social Studies

2341C World History I

6120C Economics and Personal Finance

Mathematics

3135C Algebra II

3143C Geometry

3134C Algebra Functions & Data Analysis

3184C Computer Math

Science

4310C Biology I

4330C Biology II: Anatomy and Physiology

Foreign Language

5510C Spanish I

5520C Spanish II

5530C Spanish III

Business

6152C	Keyboarding Applications
6612C	Computer Information Systems (prerequisite: Keyboarding Applications)
6613C	Advanced Computer Information Systems (prerequisite: Computer Information Systems)
6630C	Design, Multimedia, and Web Technologies I
6631C	Design, Multimedia, and Web Technologies II
6135C	Business Management
6320C	Accounting
6331C	Business Law

Physical Education

7400C	PE 10/ Driver's Education
7640C	Weight Training/Conditioning Beginning
7641C	Weight Training/Conditioning Advanced
7642C	Aerobics, Dance, and Flexibility Training

Family and Consumer Education

8210C	Individual Development
8229C	Nutrition and Wellness

Health and Medical Sciences

8302C	Introduction to Health and Medical Sciences
8390C	Medical Terminology

Technology

8403C	Technology Foundations
8405C	Technology Transfer
8407C	Technology Assessment

Art

9121C	Art Foundation
9130C	Two Dimensional Art
9140C	Three Dimensional Art
9145C	Independent Studio Art
9153C	Graphic Art/Design I

Music

9289C	Advanced Chorus V
9290C	Advanced Chorus VI
9235C	Advanced Band V
9236C	Advanced Band VI
9225C	Music Theory
9250C	Small Music Ensemble

Additional Requirements – Beginning with the ninth grade Class of 2011-2012 all students will be required to pass the Economics and Personal Finance course (6120C) to graduate.

Covington High School Courses for Eleventh Grade

English

1150C	English 11	
1150CP	English 11 Advanced	I
1150Y	English 11 Extended Year	
1215C	Photojournalism I (prerequisite: teacher approval)	
1216C	Photojournalism II (prerequisite: teacher approval)	
1165C	World Mythology	
1300C	Speech Fundamentals	
1410C	Theatre I	
1430C	Theatre II	
1181C	Fusion I	
1182C	Fusion II	
1183C	Ispire	

Jackson River Technical Center Courses

See Course Descriptions for JRTC

Social Studies

2360C	U.S. History
2319C	AP U.S. History (prerequisite: department recommendation)
6320C	Economics & Personal Finance

Mathematics

3134C	Algebra, Functions, and Data Analysis
3135C	Algebra II
3161C	Advanced Math (prerequisite: Algebra II)
3184C	Computer Math

Science

4330C	Biology II - Anatomy and Physiology
4340C	Biology II – Ecology
4410C	Chemistry
9811C	Principles of Technology I

Technology

8403C	Technology Foundations
8405C	Technology Transfer
8407C	Technology Assessment

Foreign Language

5510C	Spanish I
5520C	Spanish II
5530C	Spanish III
5540C	Spanish IV

Business

6152C	Keyboarding Applications
6612C	Computer Information Systems
6613C	Advanced Computer Information Systems
6630C	Design, Multimedia, and Web Technologies I
6631C	Design, Multimedia, and Web Technologies II
6135C	Business Management
6320C	Accounting
6331C	Business Law

Physical Education

7640C	Weight Training/Conditioning Beginning
7641C	Weight Training/Conditioning Advanced
7660C	Sports Medicine – Athletic Training I
7642C	Aerobics, Dance, and Flexibility Training

Art

9121C	Art Foundation
9130C	Two Dimensional Art
9140C	Three Dimensional Art
9145C	Independent Studio Art
9153C	Graphic Art/Design I

Family and Consumer Science

8229C	Nutrition and Wellness
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Health and Medical Sciences

8302C	Introduction to Health and Medical Sciences
8390C	Medical Terminology

Music

9291C	Advanced Chorus VII
9292C	Advanced Chorus VIII
9237C	Advanced Band VII
9238C	Advanced Band VIII
9225C	Musice Theory
9250C	Small Music Ensemble

Work Based Learning

9289C	Service Learning
9826C	Internship/Workfocus

Career Connections

9062C	VA Teachers for Tomorrow I
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Covington High School Courses for Twelfth Grade

English

1160C	English 12
1160CP	English 12 ADVANCED (prerequisite: department approval)
1215C	Photojournalism I (prerequisite: teacher approval)
1216C	Photojournalism II (prerequisite: teacher approval)

Social Studies

2441C	U.S. & VA Government
2445C	AP U.S. & VA Government

Career Connections

9097C	Leadership Development (Teacher Cadet I)
9062C	Virginia Teachers for Tomorrow (Teacher Cadet II)

Mathematics

3161C	Advanced Math
3170C	Calculus
3177C	AP Calculus

Jackson River Technical Center Courses

See course descriptions for JRTC

Jackson River Governor's School

See description on page 6

Science

4330C	Biology II – Anatomy and Physiology
4340C	Biology II – Ecology (prerequisite: permission of instructor)
4410C	Chemistry
4510C	Physics
9812C	Principles of Technology II

Foreign Language

5530C	Spanish III
5540C	Spanish IV

Business

6152C	Keyboarding Applications
6612C	Computer Information Systems
6613C	Advanced Computer Information Systems
6630C	Design, Multimedia, and Web Technologies I
6631C	Design, Multimedia, and Web Technologies I
6135C	Business Management
6320C	Accounting
6331C	Business Law

Family and Consumer Science

8229C	Nutrition and Wellness
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Technology

8403C	Technology Foundations
8405C	Technology Transfer
8407C	Technology Assessment

Physical Education

7640C	Weight Training/Conditioning Beginning
7641C	Weight Training/Conditioning Advanced
7660C	Sports Medicine - Athletic Training I
7662C	Sports Medicine - Athletic Training II

Art

9121C	Art Foundation
9130C	Two Dimensional Art
9140C	Three Dimensional Art
9145C	Independent Studio Art
9153C	Graphic Art/Design I

Music

9239C	Advanced Chorus	9250C	Jazz Band	9222C	Music Appreciation
9234C	Advanced Band	9288C	Madrigals (after school)	9250C	Percussion Ensemble

COURSE DESCRIPTIONS

ART

9121C- Art Foundations (one credit) Art Foundations is an introductory course. It is based on the premise that all students can and should become actively involved with experiences in the visual arts, which include creating art, learning about art history, critiquing art, and responding aesthetically. Students will learn and understand the elements of art and learn how to apply these elements through the use of the principles of design to their artworks. The studio experiences will be the introduction of two-dimensional media such as drawing, painting, printmaking and mixed media, and of three-dimensional art, which will include sculpture, ceramic pottery, and mixed media. Students will create works of art that represent originality, personal expression, and craftsmanship. Materials required are a sketchbook, pencils, and creativity. **Grades** 8-12

9130C- Two Dimensional Studio Art (one credit) **Recommended grade of “C” or better in Art I.** This is an intermediary art course designed for students who are interested in enhancing their artistic abilities. Further refinement of drawing and painting skills will be the primary focus, but various art making practices and new media may be introduced such as colored pencil, pastels, mixed media, scratchboard, painting, and printmaking. Visual literacy and visual communication skills will be further developed. Historical and contemporary topics will be evident in student work and/or through class discussion. Students will also develop a portfolio of artwork to be presented at the end of the course. **Prerequisite:** Art Foundations. **Grades** 9-12

9140C-Three Dimensional Studio Art (one credit) **Recommended grade of “C” or better in Art I and or 2D Art.** This is an intermediary art course designed for students who are interested in enhancing their artistic abilities. This class is a comprehensive study in three-dimensional art. Students will apply their understanding of the elements of art to develop creative 3 dimensional artworks. They will expand on their knowledge of the principles of design and how to incorporate a 3 dimensional aspect to the construction of art. The studio experiences will be an expansion of three-dimensional media, such as sculpture, ceramics, textiles, mixed media, and bas-reliefs. Experimentation and invention will be stressed and art history will be studied. **Prerequisite:** Art Foundations. **Grades** 9-12

9145C-Independent Studio Art (one credit) This course is designed for the serious student who is intent upon continuing his/her art education and art studies after high school as a career or hobby. Most of the student work is centered on creative problem solving for independent projects. Students must be able to work on their own. Teacher and student will agree on projects and course of action for each semester. Students will also develop a portfolio of artwork to be presented at the end of the course. **Prerequisite:** Art Foundations, Two-Dimensional Art, and Three Dimensional Studio Art with a grade of “C” or better in each **Grades** 10-12.

9153C-Graphic Art I/Design (one credit) Graphic Art is a form of visual communication and presentation using text and/ or images to present information. Various methods are used to create and combine symbols, images and/or words to create a visual representation of ideas and messages. This course involves typography, Adobe Photoshop, photography, and the fundamentals of design. Students will learn to apply the graphics education to the application of design principles in realistic and stimulating assignments and experiences. This class will be offered in alternate years from **Photography I**; therefore it will be offered in 2018-2019. **Grades** 10-12

BUSINESS

To be a Career and Technical Education completer in the Business Curriculum, a student must complete Keyboarding, Computer Information Systems, and Advanced Computer Information Systems or Design, Multimedia and Web Technologies I and II, or Business Management and any one other business course listed below.

6152C-Keyboarding Applications (one credit) Keyboarding Applications is an elective course in which students learn to use the keyboard by touch. Students will learn to prepare personal and business letters, as well as tables and reports. Students will use the Microsoft Office suite to complete word processing assignments, spreadsheets, database projects, presentations, and web pages. Due to the widespread use of computers in our society, all students are encouraged to complete this course. **Grades** 8-12

6612C-Computer Information Systems (one credit) CIS introduces students to different data processing procedures and examines careers in the field of computers. Students will apply problem-solving skills to real life situations through the use of an integrated software package, which includes word processing, spreadsheets, database, and data/communications. This course is recommended for all students to prepare them to live and work in our technological society **Prerequisite:** Keyboarding or permission of instructor **Grades:** 8-12

6613C-Advanced Computer Information Systems (one credit) Advanced Computer Information Systems offers students the opportunity to learn new software for word processing, spreadsheets, presentations, and integrated projects. This elective course allows students to develop skills that will be useful in college and on a job. The class is recommended for all students. **Prerequisite:** Computer Information Systems or permission of instructor. **Grades** 9-12

6630C-Design, Multimedia, and Web Technologies I (one credit): Students develop proficiency in creating desktop publications, multimedia presentations/projects, and Web sites using industry standard application software. Students incorporate principles of layout

and design in completing publications and projects. Students design portfolios that may include business cards, newsletters, mini-pages, Web pages, multimedia presentations/projects, calendars, and graphics. Completion of this course may prepare students for industry certifications. **Prerequisite:** Keyboarding. **Grades** 10-12

6631C-Design, Multimedia, and Web Technologies II (one credit) Students develop advanced skills for creating desktop-published, interactive multimedia, and Web-site projects. Students work with sophisticated hardware and software, applying skills to real-world projects. **Grades** 10-12

6135C-Business Management (one credit) Students study basic management concepts and leadership styles as they explore business ownership, planning, operations, marketing, finance, economics, communications, the global marketplace, and human relations. Quality concepts, project management, problem solving, and ethical decision making are an integral part of the course. Student leadership skills may be enhanced by participation in school-based or virtual enterprises, job shadowing, internships, cooperative education, and/or the Future Business Leaders of America (FBLA). **Grades** 10-12

6320C-Accounting (one credit) Accounting students study the basic principles, concepts, and practices of the accounting cycle for a service business and a merchandising business. Topics covered include analyzing transactions, journalizing and posting entries, preparing payroll records and financial statements, and managing cash control systems. Business ethics and professional conduct are emphasized. Students learn fundamental accounting procedures, using both manual and electronic systems. **Grades** 10-12

6131C-Business Law (one credit) Students examine the foundations of the American legal system and learn the rights and responsibilities of citizens. Students gain practical knowledge and life skills by exploring economic and social concepts related to laws governing business and individuals. Focus areas include contracts, consumer protection, criminal law, tort law, international law, family/domestic law, employment law, cyber law, and careers in the legal profession. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. **Grades** 10-12

CAREER CONNECTIONS

If a student successfully completes Virginia Teachers for Tomorrow I and II, he or she is a Career and Technical Education (CTE) completer.

9062C-Virginia Teachers for Tomorrow I (one credit): The Teacher Cadet program is designed as a Career and Technical Education course for any junior or senior considering the field of education as a career or wanting to develop leadership skills toward becoming advocates of education in their communities. Students will have an in-the-field teaching experience under the supervision of a mentor teacher. **Grades:** 11-12

9072C-Virginia Teachers for Tomorrow II (one credit): This class is a continuation of the Teacher Cadet Program with an emphasis on the exploration of careers in teaching. **Grades:** 11-12 ~~only~~ - **Prerequisite:** Teachers for Tomorrow I ~~and with the teacher's recommendation.~~

DESIGN AND TECHNOLOGY

If a student successfully completes any two Technology classes, he or she is a Career and Technical Education (CTE) completer.

8403C-Technology Foundations (one credit): Technology Foundation is the beginning high school course in technology education. Students acquire a foundational knowledge in technological material, energy, and information and apply processes associated with analytical thinking and problem solving. This is a supporting course to all SOL's especially math and science. Laboratory activities engage students in creating new ideas and innovations, building systems, and analyzing technological products to learn how and why technology works. **Grades:** 8-12

8405C-Technology Transfer (one credit): Technology Transfer is the second high school technology course and builds upon Technology Foundations. The central theme of this course is the integration of the technological systems of production, energy, communications, transportation, and other related technologies with other school disciplines. CAD, CAM, Photography, Desktop Publishing, Manufacturing and Construction are just a few activities of hands-on lab work. This course is a supportive class to the SOL's. Technology Transfer will be offered during the 2018-2019 school year. **Prerequisite:** Successful completion of Technology Foundations. **Grades:** 9-12

8407C-Technology Assessment (one credit): Technology Assessment is a course for students who are in good standing in the Technology Education Department on-the-job-training. Students will use measuring devices to identify and evaluate the effectiveness and appropriateness of technologies. Students develop analytical skills and apply those to the assessment and improvement of proposed and current technologies. Use of CAD-CAM-CIM Lab will be used extensively in this course. Technology Assessment will be taught on alternate years and will be taught as a single class not in conjunction with any other course. This course will support not only SOL's but also technical/engineering college course work and technical school requirements. Technology Assessment will be offered for the 2019-2020 school year. **Prerequisite:** Successful completion of Tech Foundations. **Grades:** 9-12

ENGLISH

Standard English for Grades 8 through 12: Standard English follows the guidelines of the Virginia Standards of Learning. Consequently, all English classes stress the following language skills: oral language, reading/literature, writing, and research. In addition to textbook studies in these areas, students are required to read a minimum of six novels, dramas, and/or nonfiction works each year.

- 1120C-Grade 8:** Studies of American and Multicultural Literature (one credit)
- 1130C-Grade 9:** Studies in Various Genres of Literature (one credit)
- 1140C-Grade 10:** Studies in World Literature (one credit)
- 1150C-Grade 11:** Studies in American literature (one credit)
- 1160C-Grade 12:** Studies in British literature (one credit)

Advanced English for Grades 8 through 12: These classes are designed for the serious student of the English language and literature who desires to build college reading and writing skills. Students in these advanced College Preparation English courses will study selected works of literature from various genres, largely through independent reflection and in class discussion. The student will have many opportunities to practice a variety of types of writing, although emphasis will be placed on exposition, research, and literary analysis. Extensive independent reading and writing is required. **Prerequisites:** Teacher Recommendation

- 1120CP-English 8 Advanced** (one credit)
- 1130CP-English 9 Advanced** (one credit)
- 1140CP-English 10 Advanced** (one credit)
- 1150CP-English 11 Advanced** (one credit)
- 1160CP-English 12 Advanced** (one credit)

1195C English 12 AP (one credit) Students will study world literature and literary criticism in preparation for the Advanced Placement Examination in literature and composition. Students will practice composition as part of an intensive study of the process of literary analysis. Students are expected to display college-level proficiency in composition by the end of the course. Students should possess a high level of writing and reading skills as well as an independent work ethic. Students are expected to take the Advanced Placement examination. Depending on the number of students enrolled in this class, this course may be offered on the computer by Virtual Virginia.

1120Y- 8th Grade Progressive English (one credit): This course is for entering eighth-grade students who need to strengthen their reading and writing skills as they study the eighth-grade curriculum. The class will emphasize reading and study strategies, allowing time for sustained silent in class reading as well as hands-on lessons that appeal to a number of different learning styles. This course is paired with English 8. **Grade Level 8**

1150Y- Extended English 11 (one credit): This course provides students additional time and intervention strategies to develop the reading and writing skills necessary to be successful on the Grade 11 EOC Reading and Writing SOL tests. Grammar, reading comprehension, vocabulary, spelling, and composition are the core components of the course. Students will read fiction, nonfiction, functional and graphic (e.g., maps, charts, tables) texts both in print and online and will develop their skills to compose a persuasive text online. This course is paired with English 11. **Grade 11**

1160Y- Extended English 12 (one credit): This course provides students additional time and intervention strategies to develop the reading and writing skills necessary to be successful on the Grade 11 EOC Reading and Writing SOL tests. Grammar, reading comprehension, vocabulary, spelling, and composition are the core components of the course. Students will read fiction, nonfiction, functional and graphic (e.g., maps, charts, tables) texts both in print and online and will develop their skills to compose a persuasive text online. This course is paired with English 12. **Grade 12**

1165C- World Mythology (one credit) This course introduces students to major themes, stories, and characters in the mythologies of several different cultures. The course will concentrate on Greek and Roman mythology, but will also include material from Norse, Celtic, Native American, African and Egyptian mythology. The course will be taught using an interdisciplinary approach that considers literary and artistic themes from diverse perspectives including theology, sociology, anthropology and history. **Prerequisite:** English 9 **Grades 10-12**

- 1215C-Photojournalism I** (one credit)
- 1216C-Photojournalism II** (one credit)

These courses are designed to introduce students to the basic concepts of page layout, design, copywriting, and editing of yearbook pages. Students also sell advertisements to fund the production of the book. Emphasis is given to layout rules and writing skills, as well as working cooperatively and meeting deadlines. Students in the Photojournalism II class assume leadership roles in assisting Photojournalism I students in completing the yearbook. Editors are chosen from this class.

Prerequisite: Approval by the yearbook sponsor; must be a strong English student with a grade average of C or better or the approval of the previous English teacher. Priority is given to juniors or seniors.

1300C-Speech Fundamentals (one credit) This class will encompass all aspects of public speaking, including but not limited to research, composition, preparation and delivery of speeches. The fundamentals of voice projection and articulation will be stressed, in addition to the Standard English dialect and the use of correct grammar. Assessment will be based on both subjective and objective exercises. **Grades 9 –12**

1410C-Theatre I - Introduction to Theatre (one credit) This class will encompass all aspects of drama, including performance, history, literature and current events. In-class projects will include the study of the history of theatre, public speaking exercises, sense and monologue studies, design projects, dramatic literature review, and character and script analysis. Assessment will be based on both subjective and objective exercises. **Grades** 9-12

1430C-Theatre II – Intermediate Acting and Playwriting (one credit) This class is designed in conjunction with the Virginia SOLs and will encompass all aspects of drama, including performance, history, literature, and current events. In-class projects will include scene and monologue work, and a number of activities will require the Theatre II students to be the director of the Theatre I students. Theatre II students will expand their basic theatre knowledge and will focus on in-depth studies of dramatic literature from all cultures. In examining dramatic literature, the class will explore the history of theatre in correlation to the play in study. Theatre II students will have separate assignments from Theatre I students both in and out of class. The Theatre II curriculum will also go beyond the scope of the Theatre I curriculum. **Prerequisite:** Successful completion of Theatre I.

1181C- Fusion I (one credit)

1182C- Fusion II (one credit): Developmental Reading is an elective reading course for students who want to strengthen their reading and writing skills for work and/or college. Course work will focus on reading principles, the reading process, and reading fluency, as well as, employing strategies to improve reading. Reading skills will be strengthened as writing will assist in assessing reading comprehension. This course would also be helpful to students who are below their current grade level in reading. Students In the 8th grade who score below a 400 on the 8th grade reading test will be asked to enroll in Developmental Reading as one of their 9th grade electives in order to remediate and retake the 8th grade reading test.

1183C- ISpire Reading Program (one credit): iSPIRE is a multisensory reading intervention program for students. The program leverages new technology to deliver powerful, teacher-led instruction. It is designed to build reading success through an intensive, structured, and spiraling curriculum that incorporates phonemic awareness, phonics, spelling, vocabulary, comprehension, and fluency in a dynamic 10-Step Lesson Plan. **Grades** 8-12

FAMILY AND CONSUMER SCIENCES

To be a Career and Technical Education (CTE) completer in Family and Consumer Sciences a student must successfully complete two classes for the Family and Consumer Sciences curriculum. The youth organization *Family, Career and Community Leaders of America (FCCLA)*, is co-curricular with Family and Consumer Science classes.

8210C-Individual Development: This introductory C.T.E. class will help students as they transition to high school. Students will learn how to apply effective stress management techniques, identify methods that are used to promote positive friendships, and assess the influence of peers on the individual. Students will also learn appropriate responses to authority figures, and learn ways to promote an appreciation of diversity. Students will identify factors that affect identity, personality, and self esteem and analyze how family influences the development of personal identity and self esteem. Students will propose strategies that promote positive physical, emotional, intellectual, and social development. **Grades:** 8-10

8229C-Nutrition and Wellness This course is for 2nd year CTE students, or Juniors and Seniors. Students will study and understand Wellness by analyzing factors that influence nutrition and wellness practices across the lifespan. First they will establish the relationship between physical fitness and wellness, and develop a personal plan to promote personal wellness. Students will study the relationship between stress and wellness, and do a self-assessment about factors that affect their own emotional well-being. They will learn strategies to manage stress. Students will investigate the principles of Nutrition, and identify the functions of macro and micronutrients and the body's requirements for each. Students will identify methods for determining a healthy body weight and apply basic food science principles to food preparation. **Grades:**11-12.

FOREIGN LANGUAGE

5510C-Spanish I (one credit): This course enables the student to acquire a comprehensive grasp of the structure of the Spanish language through oral drills and dialogues. It includes much oral work and drill in grammatical principles, conversation, diction, and punctuation. The culture of Spain and other Spanish-speaking countries is presented through readings, music, videos, and discussion. **Prerequisite:** Students must have (a) maintained an average of at least 85 in their English class for the previous school year and (b) passed the Grade 8 English SOL tests. **Grades:** 9-12 and selected 8th grade students.

5520C-Spanish II (one credit): In this course, there is a more in depth study of Spanish grammar, vocabulary, and culture. Emphasis remains on the development of communication skills, listening, speaking, reading, and writing. **Prerequisite:** Spanish I **Grades:** 9-12

5530C-Spanish III (one credit): This year of study consists of advanced grammar, more vocabulary, and continued emphasis on conversation and class discussion with classes generally conducted in Spanish. There is continued study of the culture of Spanish-speaking countries. **Prerequisite:** Spanish I and II. **Grades:** 10-12

5540C-Spanish IV (one credit): This course includes a thorough review of grammar, reading, writing, and oral skills with extensive reading. **Prerequisite:** Completion of Spanish I, II, III with a minimum of an 85 average in Spanish III and completion of the Spanish IV contract with Mrs. O'Farrell's approval. **Grades:** 11-12

HEALTH AND MEDICAL SCIENCES

7660C-Sports Medicine/Athletic Training I (two credits): This course is designed to provide an introduction to the field of Athletic Training (Sports Medicine). Topics covered include: First Aid, CPR, and Automated External Defibrillation (with the opportunity to gain certification through the American Red Cross), Physical conditioning, Nutrition & Wellness, Performance Enhancing Substances, Athletic Taping & Wrapping, and an overview of Human Skeletal and Muscular anatomy. This is an academic elective course that is designed for students who have a special interest in medicine, athletics, coaching, physical therapy, or other health-related fields. **Grades** 11-12, with preference given to seniors.

7662C-Sports Medicine/Athletic Training II (two credits): This course of studies provides students with the basic concepts and skill set required for an entry-level position as a sports medicine assistant. It introduces students to topics such as injury prevention, injury assessment and management, nutrition, first aid/CPR/AED, exercise physiology, and biomechanics. Students study basic human anatomy and physiology, medical terminology, legal and ethical issues in sports medicine, and career preparation. Course competencies have been constructed so as to go beyond the professional scope of aide/assistant level. Mastery of the material in this course would provide students with a strong background should they wish to pursue certification in areas such as first aid/CPR/AED, Athletic Training, Physical Therapy, Occupational Therapy, Personal trainer, or other allied health-related fields. Prerequisite: Completion of Sports Medicine/Athletic Training I with an average of at least 85 and permission of the instructor. **Grade** 12

8302C - Introduction to Health and Medical Sciences (one credit): This course introduces the student to a variety of healthcare careers and develops basic skills required in all health and medical sciences. It is designed to help students understand the key elements of the U.S. healthcare system and to learn basic healthcare terminology, anatomy and physiology for each body system, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of traumatic and medical emergency care. Throughout the course, instruction emphasizes safety, cleanliness, asepsis, professionalism, accountability, and efficiency within the healthcare environment. Students also begin gaining job-seeking skills for entry into the health and medical sciences field. In addition, instruction may include the basics of medical laboratory procedures, pharmacology fundamentals, biotechnology concepts, and communication skills essential for providing quality patient care. Prerequisite: None; **Grades** 9-12.

8390C - Medical Terminology (one credit): Medical Terminology is designed to help students learn common medical terms essential for safe patient care. Topics are presented in logical order, beginning with each body system's anatomy and physiology and progressing through pathology, laboratory tests and clinical procedures, therapeutic interventions, and pharmacology. Students learn concepts, terms, and abbreviations for each topic. Prerequisite: Introduction to Health and Medical Sciences. **Grades** 10-12.

HEALTH AND PHYSICAL EDUCATION

7200C-Health and Physical Education 8: Eighth grade students examine Teen Health which introduces them to a comprehensive, skills-based health program with an emphasis on abstinence from high risk behaviors. By laying the foundation for building lifelong health skills, the curriculum helps students make positive choices. The physical education component consists of state fitness testing, team sports, and individual sporting activities. **Grade** 8

7300C-Health and Physical Education 9 (one credit): Ninth grade students examine a health curriculum which provides a wide variety of opportunities for students to build important health skills. The program will empower students to make choices that provide health and wellness for themselves and others. Social and physical growth, are promoted through interaction of team and individual sports, along with state testing. **Grade** 9

7400C-Driver's Education, Health and Physical Education 10 (one credit): The tenth grade classroom curriculum includes classroom driver's education that enables a student to develop an organized, thought-action process that allows him/her to become a safe, responsible driver. To become eligible for a valid Virginia license, students must successfully complete the classroom portion and later the behind-the-wheel phase of driver's education. Health units will focus on mental health, family life, and drug abuse. Physical education will emphasize teamwork and lifelong skills. **Grade** 10

7640C-Weight Training/Conditioning Beginning (one credit)

7641C-Weight Training/Conditioning Advanced (one credit): These are elective courses that encompass the concepts of weight training, speed training, and plyometrics. Activities are encouraged to provide lifelong fitness. Students are permitted to take the class with the instructor's permission. All students must have a Virginia High School Physical or updated physician physical on file before entering the class. **Grades** 9-12

7642C- Aerobics, Dance, And Flexibility Training (one credit): This course will focus on group aerobics, dance and other rhythmic activities. Activities will include student based choreography, expression through movement, flexibility training, the latest trends in group aerobics, popular social dances and other forms of dance. A variety of activities will be incorporated to enhance both the health and skill related components of fitness for students of all skill and ability levels. **Grades** 9-12

MATHEMATICS

3112C-Math 8: This course provides students with a broader understanding of fundamental math skills. It also prepares students for Algebra I or Algebra I, Part I along with focusing on the eighth grade SOL's.

3112Y-Math 8: This course provides students with a broader understanding of fundamental math skills. This course will be taught for the entire school year instead of the semester. It also prepares students for Algebra I or Algebra I, Part I along with focusing on the eighth grade SOL's. SOL testing will be in the Spring for this course.

3130C-Algebra I(one credit) Algebra I reviews and extends the properties of real numbers, as well as linear equations of one and two variables and quadratic equations. At the end of any six weeks during the first semester, any eighth grade students taking Algebra I who achieves a grade lower than 83 will be transferred to Math 8.

3131C Algebra I Part I-(one credit)

3132C Algebra I Part II-(one credit) Algebra I Part I and Part II are taken together in the same year to allow the student more time to grasp the concepts presented in the course. Like Algebra I (3130C), these two courses review and extend the properties of real numbers, as well as linear equations of one and two variables and quadratic equations. Students receive an elective credit for Algebra I Part I and a math credit for Algebra I Part II. The Algebra I SOL is taken at the conclusion of Algebra I Part II. Placement in this sequence of courses is determined by teacher recommendation.

3134C-Algebra, Functions, and Data Analysis (one credit): This course is designed for students who have successfully completed the standards of Algebra I. Within the context of mathematical modeling and data analysis, students will study functions and their behaviors, systems of inequalities, probability, experimental design and implementation, and analysis of data. Data will be generated by practical applications arising from science, business, and finance. Students will solve problems that require the formulation of linear, quadratic, exponential, or logarithmic equations or a system of equations. **Prerequisite:** Algebra I

3143C-Geometry (one credit) Geometry is a study of basic figures of lines, planes, triangles, polynomial equations and inequalities, and graphing polynomials. **Prerequisite:** Completion of Algebra I.

3184-Computer Math (one credit): Computer mathematics provides students with experiences in workplace computer applications, personal finance, essential algebra skills necessary for college mathematics, and computer programming techniques and skills. Students will solve problems that can be set up as mathematical models. Programming concepts, problem-solving strategies, and mathematical applications, will be integrated throughout the course. Students who successfully complete the standards for the course may earn credits toward meeting the mathematics graduation requirement. Computer Math may be used in conjunction with Algebra I and Geometry to satisfy mathematics graduation requirements if the student also completes a career and technical concentration. **Prerequisite:** Algebra I and Geometry

3145C-Algebra II (one credit): Algebra II stresses the operations of polynomials, solving polynomial equations and inequalities, and graphing polynomials. **Prerequisite:** Geometry.

3161C-Advanced Math (one credit): Advanced Mathematics includes topics of algebra, trigonometry, functions, logarithms, analytical geometry, and pre-calculus. **Prerequisite:** Algebra II.

3170C-Calculus (one credit): This course is a study of differentiation and integration techniques with an emphasis on applications. It is designed for students who have completed four years of mathematics in the advanced studies program. Calculus may be offered as a traditional class or it may be offered through **Virtual Virginia**, an online educational service provided by the Virginia Department of Education. **Prerequisite:** Algebra II

3177C-AP Calculus (one credit): AP Calculus will only be offered through **Virtual Virginia**, an online educational service provided by the Virginia Department of Education. This course is a study of differentiation and integration techniques with an emphasis on applications. It is designed for students who have completed four years of mathematics in the advanced studies program. Students are encouraged to take the Calculus AP Exam at the end of the course. The test fee is approximately \$90. **Prerequisite:** Algebra II and permission of the Math Department

Possible Math Sequences 2017-2018

Diploma	Eighth Grade	Ninth Grade	Tenth Grade	Eleventh Grade	Twelfth Grade
Advanced Diploma Option	Algebra I - 3130C	Geometry - 3143C	Algebra II – 3145C	Advanced Math - 3161C	AP Calculus Calculus
Advanced Diploma Option	Math 8 -3112C	Algebra I – 3130C (1 period, 36 week class)	Geometry – 3143C	Algebra II – 3145C	Advanced Math – 3161C
Advanced Diploma Option	Math 8 – 3112C	Algebra I Part I(3131C) and Algebra I Part II (3132C)	Geometry - 3143C	Algebra II – 3145C	Advanced Math – 3161C
Standard Diploma Option	Math 8 – 3112C	Algebra I Part I 3131	Algebra I Part II 3132	Geometry- 3433C	Algebra, Functions, & Data Analysis 3134C
Standard Diploma Option	Math 8 – 3112C	Algebra I – 3130C (1 period, 36 week class)	Geometry 3143C (1 period, 36 week class)	Algebra, Functions, & Data Analysis 3134C	None needed for a Standard Diploma

MUSIC

9222C- Music Appreciation (one credit): Music Appreciation is a non-performance, general music education elective with no instrumental or vocal music performance required. This music education class will offer and stress the following; a fundamental approach to music history. An emphasis will be placed upon listening skills, exposing the student to a variety of composers, their respective literature, and musical styles. Grades 8-12

9225 – Music Theory (one credit) The standards for high school music theory integrate aspects of melody, harmony, rhythm, form, analysis, and composition. Emphasis is placed on reading and writing musical notation, developing aural skills such as listening and taking dictation, sight-singing, and using the keyboard. Students recognize, describe, and apply the basic materials and processes of music through an integrated approach, which includes aural, written, creative, and analytical components. Students address these basic concepts by listening to and analyzing a wide variety of music, including standard Western tonal music, contemporary art music, jazz, popular music, and world music. **Grades 8-12**

9231C-9240C- Advanced Band I-VIII (one credit): Advanced Band is a large performance ensemble that places its emphasis on quality performance of standard band literature. Basic scales or rudiments and rhythms will be emphasized. Besides continued technical development, this class may provide the opportunity for its members to participate in a variety of concerts, festivals, marching performances, pep band, smaller ensembles, community events, and travel opportunities. Students are required to attend all performances. Prerequisite: **Audition with director; grades 8-12**

9285C-9294C Chorus (one credit): The course is open to students in grades 8-12. Chorus is a large performance ensemble that places its emphasis on quality performance of standard choral literature. Besides continued technical development, this class may provide the opportunity for its members to participate in a variety of concerts, festivals, performances, smaller ensembles, community events, and travel opportunities. Students are required to attend all performances.

9250 – Small Ensemble Music (one credit) The standards for high school instrumental music, artist level, enable students to acquire technical and expressive skills at an artist level of musicianship. Through playing, improvising, and writing, students create expressive rhythmic and melodic variations. Students research career options in music. They perform music at Solo Literature Grade Levels 5 and 6 of the Virginia Band and Orchestra Directors Association (VBODA). Students discuss and critically evaluate characteristics of personal performances and compositions, as well as those of others. They discuss, analyze, and research relationships between musical concepts and those of other disciplines and are involved in researching various cultures, styles, composers, and historical periods. Students are provided with opportunities to participate in local, district, regional, and state events. **Grades 8-12**

SCIENCE

4125C-Physical Science: Physical Science is designed to help students learn to thoroughly use the skills and tools of a scientist. The skills are developed through exploration of fundamental physics and chemistry. The student will thoroughly evaluate the past and future effects of science and technology on man and the environment. **Grade:** 8

4210C-Earth Science (one credit): Earth Science is a lab science that examines the structures and relationships among the various Earth systems. Topics covered include astronomy, geology, meteorology, and oceanography. Completion of Grade 8 Physical Science (Course 4125C) and a basic understanding of the Earth's physical geography are highly recommended. **Grade:** 9

4260C - Astronomy (one credit) This course is designed to develop student proficiency in astronomy including planetary orbits, origin and evolution of the Universe, subatomic particles, fusion, stellar evolution, constellations, the relationship between Earth and the Moon, electromagnetism, development and use of telescopes, and the history of space exploration. **Prerequisite:** Earth Science

4310C-Biology I (one credit): Biology is designed to provide students with a detailed understanding of living systems: cell biology, genetics, ecology, biotechnological issues, biochemical principles essential to life, the scientific method of investigation, and diversity among organisms. **Grade:** 10

4410C-Chemistry (one credit): Chemistry is the study of the relationship between the structure and properties of matter. Chemistry also involves the study of energy changes associated with changes in matter. **Prerequisite:** Must have passed Algebra I with a grade of "C" or higher and be currently enrolled in Algebra II or a higher level math. **Grades:** 11-12

4510C-Physics (one credit): Physics is an advanced physical science course which includes topics in mechanics, electricity, magnetism, and atomic theory. Must have passed Algebra II with a grade of "C" or higher and be currently enrolled in a higher level math. **Grade:** 12

4330C-Biology II Anatomy and Physiology (one credit): Anatomy and Physiology studies the structures and functions of the human body. Each system is discussed in detail. Organs and whole organisms are dissected. Must have passed Biology I with a grade of "C" or higher. **Grades:** 10-12

4340C-Biology II Ecology (one credit): Ecology studies the interactions between organisms and their environments. This course also involves a close examination of the ecosystem found in western Virginia and in particular the drainage basin of the Chesapeake Bay and the problems that the bay faces due to the expansion of human development. **Grades:** 11-12

SOCIAL STUDIES

2220C- Civics and Economics: This course is a survey of the governmental structure, economy, and social life of the United States. Topics covered include the rights and responsibilities of citizenship, federalism, courts of law, and the structure and operation of the U.S. economy. Outside reading and presentation of current events are required. **Grade:** 8

2210C-World Geography (one credit): This course includes map study skills and an in-depth coverage of the major cultural regions of the world with a focus particularly on Asia, Latin America, Africa, and the Middle East. Emphasis will be given to the physical, political, economical, historical, environmental, and cultural character of each region. **Grade:** 9

2341C-World History I (one credit): First semester includes a brief survey of prehistory and a thorough examination of the ancient civilizations of Mesopotamia, Egypt, India, and China. Second semester includes a study of Greek and Roman civilizations and concludes with Medieval Europe. This class is not recommended for those students who have finished World Geography with a final grade below C or who have not passed the World Geography SOL Test. **Grade:** 10

2319C-Advanced Placement United States History (one credit): This is a course in which students are expected to read widely and devote time to abstract concepts as well as learning factual information about America from the sixteenth through the twenty-first centuries. In addition, students study various interpretations and viewpoints of historical events. Students must meet specific academic and attendance requirements to be admitted to this class and are required to take the national AP exam for college credit in May. The exam fee is approximately \$90. This course may sometimes be offered through Virtual Virginia. **Grade:** 11

2360C-U.S. and Virginia History (one credit): This course covers the historical development of American ideas and institutions from the Age of Exploration to the present. Focus will be on the political and economic history as well as a chronological survey of major issues, movements, people, and events in U.S. and VA History. **Grade:** 11

2445C-Advanced Placement Government (one credit): This is an accelerated and intensive study of the American political system, its development over the past two hundred years, and its function. Students will be assigned readings in addition to the textbook and will be encouraged to read a newspaper regularly. Students must meet specific academic and attendance requirements to be admitted to this class and are required to take a national AP exam for college credit in May. The test fee is approximately \$90. This course may sometimes be offered through Virtual Virginia **Grade:** 12

2441C-U.S. and Virginia Government (one credit): This course includes a study of the United States and Virginia Constitutions, the structure and operation of U.S. and VA governments, the process of policy-making with emphasis on economics, foreign affairs, and

civil rights issues, the impact of the general public, political parties, interest groups, and the media on policy decisions. Included will be a comparison of other political and economic systems in the world. **Grade: 12**

6120C-Economics and Personal Finance (one credit): Students need a strong foundation in economics and personal finance to function effectively as consumers, workers, savers, investors, entrepreneurs, and active citizens. This class is designed to develop the student's understanding of how economies and markets operate, how the United States' economy is interconnected with the global economy, and prepare students to be effective participants in the workplace. On a personal level, students learn that their own human capital (knowledge and skills) is their most valuable resource and that investing in education and training improves the likelihood of their future economic success. **Grades: 9-12.** This course is a graduation requirement for students who entered the ninth grade in 2011-2012 and beyond.

WORK-BASED LEARNING

9829C Service Learning (One Credit): Service Learning encourages students to practice community volunteerism after school, on weekends, and during the school day. The objective is to instill a spirit of community activism and involvement that will extend beyond high school into adult life. The Service Learning course is a program open to Juniors and Seniors interested in helping community agencies or interested in serving as tutors to peers or to younger students in middle school and elementary schools. It is necessary to document a minimum of 150 clock hours combined with the classroom experience to receive a credit. This course may be repeated for credit. Students are not allowed to leave school for this course. **Grades: 11-12**

INTERN- Internship / Workfocus (One Credit): Internship is a planned, progressive, structured educational activity or program that enables the student to practice and develop career-related skills in a real workplace environment. It provides hands-on experience in a particular industry or occupation related to the student's career interests, abilities, and goals, and allows him or her to document job-related experiences. In addition to placements in the community, CHS will provide a variety of internships, including internal and external opportunities. Internal opportunities could include buildings & grounds, food services, custodial services, mechanics, librarian intern, teacher interns in elementary classrooms, and information technology. External opportunities could include clinical experiences and co-operative employment with various local businesses. Students enroll in Internship as a Pass/Fail Course. Students will receive a grade of A-F in the Workfocus course based on evaluations by the employer and teacher. Students are not paid for internships but must hold a job that pays and has taxes deducted for the Workfocus course. Any student enrolled in Workfocus and fired from their job will receive a grade of F for that six weeks grading period. Students must work at least 90 hours per semester to receive credit for Workfocus. (Pass/Fail courses are set up with a different grading scale than the other classes and do not get included in a student's GPA). **Grades 11-12**

Cooperative Education Work Experience (One Credit): Cooperative Education work experience combines career and technical classroom instruction with paid employment directly related to the classroom instruction. Cooperative Education work experience is available through most high school CTE courses. Courses using the cooperative education method integrate classroom instruction with supervised on-the-job training and the related career and technical student organization. Instruction is developed and conducted in consultation with employers having skills and considerable knowledge of the occupational field represented by the student's career objective. Individualized, written training plans are developed to correlate the classroom instructions with the on-the-job training. Formal and informal evaluations of student progress including feedback are completed to assist learners in improving their work performance. Cooperative Education experiences must be supervised by a CTE teacher. COOP Experience can only be scheduled when paired with the appropriate subject area CTE offering. Requires a minimum of 90 hours per semester. **Grades 11-12**

JACKSON RIVER TECHNICAL CENTER PROGRAMS

To earn a certificate from Jackson River Technical Center, a student must successfully complete all courses in a certificate program sequence with an overall grade average of not less than 77% and must have earned a grade of not less than 77% in the last course of the program sequence. The student must also have met graduation or completion requirements at their home school. Course requirements are listed below.

Marketing Education	Automotive Technology	Other Trade and Industrial Ed. Programs
Marketing	Automotive Technology I	Computer Systems Tech 1
Advanced Marketing	Automotive Technology II	Computer Network Software Operations
Sports and Entertainment Marketing	Automotive Technology III	Computer Network Software Operations Advanced
Sports and Entertainment Management		
Opportunities in Hospitality and Tourism	Welding	Health and Medical Sciences
Entrepreneurship Education	Welding I	Introduction to Health and Medical Sciences
	Welding II	Nurse Aide I
<i>Three (3) or more classes in marketing will earn a student a certificate.</i>	Welding III	Nurse Aide II
	Carpentry	Electricity
	Carpentry I	Electricity I
Early Childhood Education	Carpentry II	Electricity II
Introduction To Early Childhood Education & Services	Carpentry III	Electricity III
Early Childhood Education I		Culinary Arts
Early Childhood Education II		Introduction to Culinary Arts
		Culinary Arts I
		Culinary Arts II

Jackson River Technical Center Courses

Job-entry level vocational training programs are available to students at Jackson River Technical Center. These courses allow the student to earn credits toward graduation and receive a vocational certificate in addition to his or her diploma. Also, all of the classes meet the practical arts graduation requirements.

8120J- Marketing: This is a one-credit one-semester course for entry-level positions and/or continued education in a variety of careers that require knowledge of communications, economics, and psychology as well as techniques in sales, promotion, and management. Examples include sales, public relations, business management, product design and merchandising, fundraising, advertising and promotion using all types of media, and international marketing. Marketing uses the cooperative education method offering a combination of classroom instruction and supervised on-the-job training with continuing supervision throughout the school year.

Prerequisite: None Grades: 10, 11, 12

8130J- Advanced Marketing: This is a one-credit, one-semester course designed to give students the opportunity to expand their knowledge of marketing from a management perspective. This course focuses on the areas of ethics, consumer and environmental protection, economics, career development, entrepreneurship, professional sales, marketing-information-management, product planning, pricing, promotion, purchasing, distribution, finance, and the development of a business plan. Classroom instruction will be reinforced through the use of case studies, guest lecturers and field trips. While enrolled in the course, the student is an active member of DECA, an association of marketing students. Students may take this course in conjunction with Marketing Cooperative Work Experience (Coop). **Prerequisite:** One of the other marketing classes **Grades: 11, 12**

8175J- Sports and Entertainment Management: This is a one-credit, one-semester course designed to help students develop skills in the areas of marketing analysis, event marketing, communication, and human relations, along with a thorough understanding of the sports, entertainment, and recreation industry and career options available. Academic skills (mathematics, science, English, and history/social science) related to the content are a part of this course. Computer / technology applications supporting this course are studied. **Prerequisite: None Grades: 10, 11, 12**

8177J (co-op) - Advanced Sports and Entertainment Management: Students will continue their study of the sports, entertainment, and recreation industry including the impact of Internet marketing and international marketing in this area. Other topics include market research, market segmentation, and sponsorships, as well as planning, implementing, and evaluating SER events. Working with agents and personal managers and appraising the role of labor unions in SER will also be covered. Additional study will be focused on developing a career plan in the field. **Prerequisite: Sports, Entertainment, and Recreation Marketing-8175/8176 Grades 11, 12**

8139J- Opportunities in Hospitality and Tourism: This is a one-credit, one-semester course designed to help students develop skills in the areas of communication, human relations, mathematics, creative selling, sales promotion, industry technology, and market research. They learn computerized systems used by major airlines and travel agencies. In addition, students obtain a thorough understanding of the travel and tourism industry and the career options available. Academic skills (mathematics, science, English, and history/social science) related to the content are a part of this course. Computer / technology applications supporting this course are studied. **Prerequisite: None Grade: 10, 11, 12**

9093J-Entrepreneurship: This is a one-credit, one-semester course designed for students who wish to concentrate on strategies for career development through ownership/management of their own businesses. Although individual skills are emphasized, the focus of the course is on development of a business plan, including the following: Determination of type of business enterprise, legal considerations, location selection, financing, steps in getting the enterprise started, marketing strategy, and interaction with successful entrepreneurs. **Prerequisite: None Grades: 10, 11, 12**

8234J-Introduction to Health and Medical Sciences: This is a one-credit, one-semester course designed to introduce students to the various occupations within the healthcare field and to develop common basic skills utilized in such occupations. This course includes acquainting the student with the healthcare industry, introducing and surveying various health careers, identifying medical terminology of the entire body system, vital signs, infection control, the introduction of the Omnibus Safety and Health Act (OSHA) and Universal Precautions, understanding human needs and communications. **Prerequisite: None Grades: 10, 11, 12**

8360J-Nurse Aide I: This is a two-credit, one-year course designed to assist students in the development of basic nursing care and skill utilized in many health-assisting careers. Care competencies such as communication skills, first aid and Cardiopulmonary Resuscitation (CPR), professionalism, ethics, nutrition and medical terminology are included in the content. American Red Cross Community First Aid and CPR certification is issued upon satisfactory completion of that unit. Supervised laboratory training is a major component of the course. **Prerequisite: Health Assistant I Grades 11, 12**

8362J-Nurse Aide II: This is a two-credit, one-year course designed to offer students advanced preparation through classroom instruction and clinical experience. Instruction is based on competencies for careers such as dental aide, medical assistant, nurse aide, etc. Emphasis is on advanced skill through clinical work experience managed by the teacher in a hospital, nursing home, or medical agency. Satisfactory completion of the nurse aide theory and clinical components will enable a student to take the NACEP test to become a Certified Nursing assistant. **Prerequisite: Health Assistant II Grade: 12**

8506J-Automotive Technology: This is a one-credit, one-semester course designed for students interested in the automotive technology field. Studies in this course will include basic safety, identification of automotive systems, proper use and safety of basic hand tools, minor repair and maintenance of an automobile, general interior and exterior maintenance of an automobile and occupations in the automotive field. **Prerequisite:** None **Grades:** 10, 11, 12

8507J-Automotive Technology II: This is a two-credit, one-year course designed to give students instruction in the basic principles of safety, shop tools, service manuals, engine principles measurements, design and construction, mechanical and fluid engine systems, and electrical engine systems. Students will be working on automobiles during lab portions of the course. **Prerequisite:** Auto Servicing I **Grades:** 11, 12

8508J-Automotive Technology III: This is a two-credit, one-year course designed to expand the knowledge students have learned in the two previous automotive technology courses. Students will receive instruction in emission control systems, automotive computers, power transmission systems, vehicle suspension and control systems, vehicle accessory systems, and the work experience program. Students will continue to work on automobiles during lab portions of the course. **Prerequisite:** Auto Servicing II **Grade:** 12

8601J-Carpentry I: This is a one-credit, one-semester course designed to introduce students to the principles of carpentry as they relate to construction. Classroom and lab instruction integrates safety, shop, and field math needed by carpenters. Other areas of study include tools, materials, fasteners, blueprints, and layout work. The student will be involved in hands-on experiences such as the building of a house, shop orders, cabinets, small buildings, and related projects. **Prerequisite:** None **Grades:** 10, 11, 12

8602J-Carpentry II: This is a two-credit, one-year course designed to give students more emphasis on carpentry principles. Classroom and lab instruction integrate additional and more detailed instruction from the topics in a review of Carpentry I: safety, rough carpentry, concrete forms, wall, floor, roof, and stair framing, leveling instruments, estimation principles, and cost of materials. Students will be involved in construction of a house, cabinet making, and other carpentry related work at JRTC. **Prerequisite:** Carpentry I **Grades:** 11, 12

8603J-Carpentry III: This is a two-credit, one-year course designed to give students more advanced emphasis on carpentry. Students will receive classroom and lab instruction in safety, installation of windows and doors, exterior finishing, insulation, cabinetmaking and counter tops, reinforcement bars, cornice work, siding, drywall construction, ceiling finishing, interior trim work, blueprint reading and drawing, and the construction of a house at JRTC. **Prerequisite:** Carpentry II **Grade:** 12

8250J-Introduction to Culinary Arts: This is a one-credit, one-semester course designed to introduce students to the basics of the food industry. Students will be given an overview of the food service industry, general safety, sanitation, kitchen orientation and equipment, nutrition, customer service, and basic cooking principles. Students will also apply those topics to actual work in the kitchen in preparing basic meals and in hosting large banquets. **Prerequisite:** None **Grades:** 10, 11, 12

8275J-Culinary Arts I: This is a two-credit, one-year course designed to give students more in-depth experiences in working in the food industry. Students will have more hands-on time in the kitchen to prepare meals and banquets. Students will continue to expand their food industry knowledge by making menus, studying recipe structure and use, basic food preparation, and fast food operations. **Prerequisite:** Culinary Arts I **Grades:** 11, 12

8276J-Culinary Arts II: This is a two-credit, one-year course designed to introduce students to kitchen management skills. Students will cover several topics dealing with management: equipment, business management, and personal management, cost control, menu planning, and marketing. The majority of this class is spent in the kitchen with the student working individually and in small groups to prepare for meals and banquets. **Prerequisite:** Culinary Arts II **Grade:** 12

8533J-Electricity I: This is a one-credit, one-semester course designed to train students in the basic electrical knowledge and performance skills required to work in the building trades field. Classroom and hands-on instruction will include units in electrical safety, tools, blueprints and load calculations, electrical wiring codes, 110 volt, 220 volt, low voltage circuits, fuses and circuit breakers, test equipment, and basic troubleshooting. The student will develop electrical repair skills and basic wiring skills. **Prerequisite:** None **Grades:** 11, 12

8534J-Electricity II: This is a two credit, one-year course. Students continue to develop skills in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. They also study electrical theory and mathematical problems related to electricity, navigate the National Electrical Code Book, select and install conductors, examine lighting, communication, and power systems, and work with conduit and raceways, panelboards, switchboards, grounding systems, and generators. **Prerequisites:** Electricity I (8533) **Grades:** 11,12

8535J-Electricity III: Students continue to develop skills in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. They also study electrical theory and mathematical problems related to electricity, navigate the National Electric Code Book, select and install conductors, examine lighting, communication, and power systems, and work with conduit and raceways, panelboards, switchboards, grounding systems, and generators. **Prerequisites:** Electricity II (8534) **Grade:** 12

8672J-Welding I: This is a one-credit, one semester course designed to introduce students to the welding field. Areas of instruction are shop and equipment safety, oxygen-acetylene cutting, and arc welding. Detailed instruction on parts of the torch, bottle pressure settings, types of flames, and equipment care are included for oxygen-acetylene cutting. The four basic types of weld joints (butt, lap, tee, and corner in the flat, horizontal, vertical, and overhead positions) will be practiced in arc welding. Instruction in the use of other shop equipment is included. **Prerequisite:** None **Grades:** 10, 11, 12

8673J-Welding II: This is a two-credit, one-year course designed to allow students to continue working with the four types of welding joints: butt, lap tee, and corner. Other areas of instruction are carbon arc torch, plasma arc cutting, pneumatic shear and brake press, tungsten inert gas (TIG), mechanical inert gas (MIG) processes, and MIG/TIG welding using mild steel, stainless steel, and aluminum metals. **Prerequisite:** Welding I **Grades:** 11, 12

8674J-Welding III: This is a two-credit, one-year course designed to allow students a more extensive training in TIG and MIG processes, welding of basic joints, and pipe welding. Students will also receive additional instruction in blueprint reading, metal fabrications, and design. Through satisfactory completion of the welding program sequence, the student will have the opportunity to receive certification on mild steel plate using 7018 electrodes.

Prerequisite: Welding II **Grade:** 12

8234J-Early Childhood Education I: This is a one-credit, one-semester course designed to introduce the student to the principles of child growth and development, planning and implementing learning activities, principles of guiding children's behaviors, healthy and safe environments, exploration of the child care industry, and career development. Basic hands-on experience working with children and their families is provided in the JRTC Preschool. **Prerequisite:** None **Grades:** 10, 11, 12

8285J-Early Childhood Education II: This is a two-credit, one-year course designed to continue developing students' knowledge and skill that would apply to many careers dealing with children. Areas of learning include types and characteristics of child care centers, employability requirements, basic child development, children's behavior, guidance and discipline techniques, types of behavior, behavioral procedures, promotion of children's health and safety, child abuse awareness, facility maintenance, and developmentally appropriate activities. Practical hands-on experience is gained in the JRTC Preschool. **Prerequisite:** Early Childhood Education I **Grades:** 11, 12

8286J-Early Childhood Education III: This is a two-credit, one-year course designed to develop more professional attitudes and abilities and combine learned knowledge with current information and practices. Additional topics of instruction will be CPR and First Aid Training, behavior management and communication skills, learning theories, program management, and record keeping skills. Practical hands-on teaching experience in working with children and their families is gained in the JRTC Preschool. **Prerequisite:** Early Childhood Education II **Grade:** 12

JRTC-Work Experience: Students may participate in a work experience program in a JRTC approved local business or industry. In this work experience program, a student may earn additional credit in the third course of a three-course sequence. The student must participate in a related business or industry in that final course in a JRTC program. The student's teacher would supervise the work experience program, as it would relate to the JRTC classroom and lab. **Prerequisite:** Enrolled in the final course of a three-course sequence. **Grade:** 12

8622J- Computer Systems Technology I: This is a one-credit, one-semester course. Students enter the world of computer technology and gain practical experience in assembling a computer system, installing an operating system, troubleshooting computers and peripherals, and using system tools and diagnostic software. They develop skills in computer networking and resource sharing. In addition, students explore the relationships between internal and external computer components. Emphasis is placed on customer service skills and career exploration. Upon successful completion of the course, students may qualify to take the A+ certification exam. **Prerequisites:** None **Grades:** 10,11,12

8623J-Computer Systems Technology II: This is a two credit course. Building on the foundation of Computer Systems Technology I, this advanced course provides students with training in procedures for optimizing and troubleshooting concepts for computer systems and subsystems. Students explore wireless technologies (e.g., Bluetooth, Wi-Fi) and create and configure a network. Emphasis is placed on technical proficiency, skill-building, and workplace readiness. The course prepares students for postsecondary education and training and a successful career in information technology. Upon successful completion of the course, students may qualify to take the A+ certification exam. **Grades:** 11, 11

6650J-Computer Network Software Operations: This is a one-credit, one-semester course designed to teach many aspects of computer support and network administration. Students learn networking concepts, from usage to components, and create peer-to-peer network systems and client server networks. Students install and configure network cards and connect them to networks. Students learn how to install the operating systems, set up and manage accounts, load software, and establish and implement security plans. This course may cover software-based network operating systems, such as Windows Server or Linux. **Prerequisites:** None **Grades:** 10,11,12

6651J-Computer Network Software Operations, Advanced: This is a one-credit, one-semester course that continues to teach aspects of network administration, focusing on the management and support of network users and systems. The topics covered include understanding the responsibilities of computer professionals, training end users, evaluating new technology, developing system policies, troubleshooting workstations, managing network services and protocols, and effectively using e-mail and business communications. Students learn communication protocols, troubleshooting techniques for systems and client-server networks, Web site management, and other advanced networking topics. Techniques that are used to install operating systems, set up and manage accounts, load software, and create and implement security plans are taught. This course may provide instruction about software-based network operating systems, such as Windows Server or Linux. Instruction will emphasize preparation for industry certification. **Prerequisites:** Computer network software operations (6650) **Grades:** 11,12

6302J-Cybersecurity Fundamentals: Cybersecurity affects every individual, organization, and nation. This course focuses on the evolving and all-pervasive technological environment with an emphasis on securing personal, organizational, and national information. Students will be introduced to the principles of cybersecurity, explore emerging technologies, examine threats and protective measures, and investigate the diverse high-skill, high-wage, and high-demand career opportunities in the field of cybersecurity.

Plan your schedule now!

ADVANCED STUDIES (26 UNITS) DIPLOMA SUGGESTED COURSE SEQUENCES

GRADE 8	GRADE 9	GRADE 10	GRADE 11	GRADE 12
English 8	English 9	English 10	English 11	English 12 or English 12 Advanced, or English 12 AP
Physical Science 8	Earth Science	Biology	Chemistry, Anatomy & Physiology, Ecology, or Principles of Tech I**	Physics, Chemistry, Anatomy & Physiology, Ecology, or Principles of Tech II**
Math 8 or Algebra I	Algebra I or Geometry	Geometry or Algebra II	Algebra II or Advanced Math	Advanced Math or Calculus
Civics	World Geography	World History I	U.S. & Virginia History or U.S. History AP	U.S. & Virginia Government or U.S. & Virginia Government AP
Health & P.E.8	Health & P.E. 9	Health & P.E. 10/ Driver Education	Elective	Elective
Foreign Language I or Elective	Foreign Language I/II	Foreign Language II/III	Foreign Language III/IV	Foreign Language IV or Elective
Elective	Economics and Personal Finance or an Elective	Economics and Personal Finance or an Elective	Economics and Personal Finance or an Elective	Economics and Personal Finance or an Elective
Elective	Elective	Elective	Elective	Elective

*One Fine Arts Class credit is required for graduation.. ** Principles of Tech I & II must be completed to receive one Lab Science credit.

~~***The Economics and Personal Finance class becomes a requirement for all students beginning with the ninth grade class of 2011-2012. ****The 9th grade classes of 2013-2014 and beyond will be required to successfully complete a virtual (online) class for graduation.~~

STANDARD DIPLOMA (22 UNITS) SUGGESTED COURSE SEQUENCES

GRADE 8	GRADE 9	GRADE 10	GRADE 11	GRADE 12
English 8	English 9	English 10	English 11	English 12
Physical Science 8	Earth Science	Biology	Ecology, Anatomy & Physiology, or Principles of Tech I	Elective or Principles of Tech II
Math 8	Algebra I or Algebra I Part I and Part II	Geometry	Algebra, Functions, and Data Analysis	Elective
Civics	World Geography	Elective/JRTC	U.S. & Virginia History	U.S. & Virginia Government
Health & P.E. 8	Health & P.E. 9	Health & P.E. 10/ Driver Education	Elective/JRTC	Elective /JRTC
Elective	Elective	Elective/JRTC	Elective/JRTC	Elective/JRTC
Elective	Economics and Personal Finance or an Elective	Economics and Personal Finance or an Elective	Economics and Personal Finance or an Elective	Economics and Personal Finance or an Elective
Elective	Elective	Elective	Elective	Elective

*One Fine Arts credit is required for graduation. Two of the electives must be sequential. ** Principles of Tech I & II must be completed to receive one Lab Science credit. ***The Economics and Personal Finance class becomes a requirement for all students beginning with the ninth grade class of 2011-2012. ****The 9th grade class of 2013-2014 and beyond will be required to successfully complete a virtual (online) class for graduation. *****The 9th grade class of 2013-2014 will be required to earn a board-approved Career & Technical credential for graduation.

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