



Warren County Middle School



2019-2020 PROGRAM OF STUDIES

This Program of Studies booklet has been prepared to provide you with pertinent information related to scheduling guidelines and available course options. The regulations and course descriptions will assist you in preparing a schedule for the upcoming school year and in planning a personalized plan of studies for the future.

MISSION STATEMENT

The mission of Warren County Public Schools is to provide a quality educational opportunity for every student to achieve his or her highest academic learning potential, develop positive core values reflective of our community and enter higher education and or the workforce. We will strive to deliver an educational program respected statewide through the commitment and expertise of qualified school administrators, teachers, and school staff. We will provide required instructional resources and current technology. We will seek to achieve this mission through community support, active parental involvement, and business partnerships.

CONTINUOUS NOTICE OF NONDISCRIMINATION

The Warren County Public Schools and its Career and Technical Education Programs do not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities and, if applicable, provides equal access to the Boy Scouts and other designated youth groups.

Warren County Schools

Skyline High School
151 Skyline Vista Drive
Front Royal, VA 22630
Phone: 540-631-0366
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Tamera VanEtten, School Counseling Director
Grades 9-12

Warren County High School
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Front Royal, VA 22630
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Mrs. Ernestine Jordan, Principal
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Grades 9-12

Blue Ridge Technical Center
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Mrs. Jane Baker, Coordinator
Grades 9-12

Skyline Middle School
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Mr. Robert Johnston, Principal
Amanda Purrier, School Counseling Director
Grades 6-8

Warren County Middle School
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Warren County Public Schools
210 North Commerce Avenue
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OFFICE OF THE
DIVISION SUPERINTENDENT

Dear Students:

The Warren County Public Schools Program of Studies for grades 6-12 is a valuable tool in planning for the future. It is important to begin to set goals for your life after graduation from high school. The courses you choose during your school career will determine how well you will be prepared to further your education or enter the world of work. Please choose these courses carefully.

As you consider course options that offer the best foundation for achieving personal and career goals, I encourage you to discuss your plans with our parents, teachers, guidance counselors, and other individuals knowledgeable about specific careers. Many resources are available to assist you in making informed decisions. I encourage you to take challenging courses that prepare you for any future endeavor you choose.

In addition to specific course offerings, the Program of Studies document contains important information regarding graduation requirements. It explains the number and kinds of credits needed for various diploma options. Also, the document states the types of verified credits necessary to meet state standards for graduation. Please make sure you have a clear understanding of these requirements.

It is clear that upon graduation from high school you will be entering a world different from the one we know today. The educational opportunities offered in grades 6-12 are designed to help you develop the knowledge and skills you will need to live in that ever changing world. The final responsibility for taking advantage of the educational opportunities offered in school rests with you, the student. I assure you that all of the school staff will do whatever they can to help you meet your goals. I wish you every success as you plan for your future. Together, we can make sure you will be prepared to do whatever you want to do in life.

Sincerely yours,

L. Greg Drescher
Superintendent

Warren County Public Schools Program of Studies
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General Information

Individuals Who Can Help With Course and Career Decisions:

Parents have the greatest influence on their child's life.

School Counselors help through the following:

- provide information about courses and the decision making process,
- counsel about graduation requirements, and assist in developing academic and career plans,
- arranging interest inventories, aptitude tests, and college admissions tests,
- interpret standardized tests, and assist in the college application process.

School based career centers provide additional resources for career and college planning.

Teachers teach the skills necessary for both academic and career success and can help you see your strengths and weaknesses and make recommendations based on those characteristics.

6th through 8th Grade Students scheduling at Skyline Middle and Warren County Middle School

Students will pre-register for classes in the spring for the following year.

Parent approval and signature must accompany course requests and any changes not due to clerical error.

Requests to add or drop classes after the opening of school are handled by the principal or his/her designee.

Any schedule changes are subject to teacher recommendations, course difficulty, available space, medical evaluations and student performance to date.

Changing semester courses or exploratory courses once the schedule is set is not done without the consent of an administrator.

All 6th-8th grade students must take English, Math, Science and Social Studies. Standards of Learning Tests are administered in English, Math, and Science

Algebra I will be offered on a full year A/B schedule by recommendation (for those students who are academically ready as judged by multiple criteria) only. Students who participate will also be expected to take Spanish on the alternate day of the schedule.

Students that wish to participate in band or chorus are encouraged to do so. These courses will be offered to 6th-8th grade students for the entire school year on an A/B schedule. These courses take the place of other exploratory electives.

6th-8th grade students will experience a variety of exploratory classes. These classes will be offered on a 9 week rotation for sixth graders and a semester rotation for seventh and eighth graders. The classes offered include: art, family and consumer science, foreign language, keyboarding, technology and agriculture. Please refer to the program of studies for further description of exploratory course offerings.

9-12 Grades Scheduling

Every student makes a tentative plan to achieve a diploma. Each year students review and revise the plan as they make decisions about courses needed for the next school year.

Students will be in a 4x4 block schedule at Skyline and Warren County High Schools. There will not be any January graduation at Skyline High School or Warren County High School.

Students will take 4 classes during 1st semester and 4 classes during 2nd semester. When choosing classes, students must make first, second, and third choices as a course could be cancelled. Carefully review the course descriptions in this booklet. Share the information with your parents. If they have questions about the courses or your selections, they should call your counselor.

Schedule Changes

Students are expected to carefully select their courses and to follow their selections. In special situations, individual requests for changes will be reviewed. Changes will not be made if the result causes the maximum class size to be exceeded. Students will not be permitted to add a class after school has been in session for three weeks without the principal's approval. Requests from students or their parents for a change in teachers cannot be allowed since such changes involve teaching loads and schedules. However, consideration will be given to requests from students assigned to repeat work with a teacher under whom they have previously failed. Final approval rests with the principal.

Honor Graduates

Beginning with the class of 2011, students have the opportunity to receive the following recognition at graduation:

Honor Graduate: Any student obtaining a 3.5 grade point average (GPA) or higher.

Honors with Distinction: Any student obtaining a 4.0 grade point average (GPA) or higher.

Seniors will continue to be ranked, but there will be no Valedictorian or Salutatorian.

Class Rank

Class rank is based on grade point average (GPA) determined by adding the grade points for classes attempted and dividing by the number of classes attempted.

- Class rank includes all courses for which credit was earned or could have been earned in grades 8-12.
- When a course is repeated, both grades attained are included in the ranking.
- Students are ranked at the beginning of the senior year and at graduation.
- If a student withdraws from a course before the end of the first 4 week period, the course is not recorded on the scholastic record.
- If a student withdraws from a course **before** the end of the first 9 week grading period, the course and grade are not recorded on the scholastic record. If a student withdraws from a course **after** the end of the 9 week grading period, the grade will be recorded as a WD. A WD has no point value and is the equivalent of an F and will be figured in determining the student's grade point average and class rank. See Withdrawal from Course section in this document.

Activity and Athletic Participation

All 9th graders are eligible during their first semester. In order to be eligible to participate in any Virginia High School League competition, a student with a 4x4-block schedule must be currently passing 3 of 4 classes during the semester and have had passed 3 of 4 classes the previous semester to participate in sports. Otherwise the student must be currently enrolled in five subjects for credit or the equivalent, and have passed five subjects for credit or the equivalent the previous semester in a school with a 7 period day. Students are cautioned about dropping courses without obtaining counseling. One dropped course may make you ineligible for participation. It is important for student athletes to understand course and credit requirements. Please make sure to schedule an appointment with your counselor before making any course or credit changes.

Any current sophomore, junior, or senior who wishes to participate in intercollegiate athletics at an NCAA Division I or II college or university should register with the NCAA Clearinghouse. Registrants may access the site at www.eligibilitycenter.org. From the home page, click on “Enter Here” for NCAA college-bound student-athletes, then on the “New Account” link in the upper right corner. From there, they simply follow the prompts. For more detailed directions visit: http://fs.ncaa.org/Docs/eligibility_center/Student_Registration_Info/RegistrationWebsiteGuideforPSA.pdf or see your school counselor for a print version of this guide.

Report Cards

Students receive report cards four times each year. They are issued approximately one week after the end of each nine weeks grading period. The final report card for the year is mailed home.

Course Cancellation

Any elective course that does not have sufficient enrollment or sufficient funding will be cancelled. An alternate choice must be made.

Promotion and Credit Information

A student must have earned the minimum number of credits listed below to be promoted to the next grade. A student’s grade level is not subject to change during the school year.

- Grade 6 – Received as a student from 5th grade
- Grade 7 – Pass English, Math and any two (2) other courses
- Grade 8 – Pass English, Math and any two (2) other courses
- Grade 9 – Freshman – Pass English, Math and any two (2) other courses
- Grade 10 – Sophomore – Must have earned four (4) credits, including English 9
- Grade 11 – Junior – Must have earned ten (10) credits, including English 10
- Grade 12 – Senior – Must have earned fifteen (15) credits, including English 11

Ninth Grade Status

Students must meet the graduation requirements based on when they entered the ninth grade the 1st time, according to Virginia regulations.

Full Credit for Courses

Students receive one unit of credit for each 140 clock hour course successfully completed and .5 credit for new 70 clock hour course. This ruling applies to subjects repeated in the summer session as well as to those repeated during a school year.

Non-Credit Activity

A student who serves as a student helper will not receive a credit for that class period.

Credits from Outside Skyline High School or Warren County High School

Currently enrolled students who wish to take courses for high school credit in locations other than SHS or WCHS (ex. Home School, correspondence, etc.) must obtain prior written approval of the principal. Before taking a course from LFCC, see dual enrollment.

Withdrawal from Courses

A student may withdraw from a course if permission is granted by both the parent and the principal. If the withdrawal occurs **before** the end of the first 9 week grading period, the course and grade will not be recorded on the student's transcript. If the withdrawal occurs **after** the end of the first 9 week grading period, a withdraw/failing (WD) will be recorded on the transcript. A WD has no point value and is the equivalent of an F and will be figured in determining grade point average and class rank.

Courses already passed

Students who pass a course may repeat it for grade improvement, but duplicate credit will not be given. Both grades will be recorded on the student's scholastic record card and will be included in computing class rank.

Home School Instruction Grades and Credits

Students who transfer to Warren County Public Schools from home school instruction will receive credits for classes and grades as Pass or Fail, therefore are not included towards GPA or rank.

Removal of Credits – 8th Grade Only

Grades and credits earned at the 8th grade for high school credit-bearing courses may be omitted from the student's transcript at the parent's request. If the parent wishes, the student may re-enroll in the course for which a grade and credit were deleted. Written requests to omit grades and credits for a high school course taken at Skyline High School or Warren County High School must be submitted to the school counseling office by August 1st prior to the 9th grade year.

Grading Scale for Warren County Middle & Skyline Middle School

Letter grades are given in all courses taken with the following assigned values:

A = 90-100

B = 80-89

C = 70-79

D = 60-69

F = Below 60

However, exploratory and semester classes receive P or F.

Grading Scale for Skyline High School and Warren County High School

Letter grades are given in all courses taken with the following assigned values:

A=90-100 A=4 points

B=80-89 B=3 points

C=70-79 C=2 points

D=60-69 D=1 point

F=Below 60 F=0 points

I=Incomplete 0 points

Incomplete means specific and critical work has not been completed; therefore a grade cannot be determined. The intention of the "Incomplete" is to offer additional time under reasonable circumstances. An incomplete can be carried through the duration of the course if the teacher has reason to believe the student is willing and able to complete the work. Once the course ends, the teacher will make the best determination of a grade possible without the specific and critical work available. However, Driver's Education receive P or F grade. Students enrolled in online courses will earn a grade of a "P" or "F".

Weighted Grades

Beginning with 10th grade students during the 2017-2018 school year, only AP classes and classes with an accompanying AP test will be weighted.

A = 5 points, B = 4 points, C = 3 points, D = 1 point, F = 0 points

Academic Letters – Skyline and Warren County High Schools

Students are eligible for academic letters according to the following criteria:

- The student must have a 3.5 grade point average through the 3rd advisory of the school year.
- The student must carry a minimum of 5 classes for the year.
- The student must have no more than 12 absences.*
- The student must not have had any out of school suspensions.
- The student must not have any discipline referrals.**
- Lord Fairfax Community College grades for the first semester will be included as a separate GPA entity and used in the formula to calculate the 3.5 needed for the award.
- The student may appeal due to extenuating circumstances. The appeal will be reviewed by an appeal committee consisting of Student Government and administration.

* Appeal may be made for extended medical reasons

** If the student has only one referral, then that student may appeal

Subject Load

Warren County Public Schools' mission is to prepare students for the workforce with marketable skills and/or be ready for the rigor of higher education. To meet this mission, students need to take a subject load to prepare for the workforce and/or higher education. Freshman, sophomores, and juniors are scheduled for a full load of classes.

Seniors are required to be scheduled for a course load of at least five (5) credits, in order to complete their high school studies, give opportunity to explore other course interests and meet the mission of being prepared for the workforce and/or higher education. Seniors must take courses both semesters of their senior year.

Fine Art or Career and Technical Education (CTE)

A fine art or career and technical education (CTE) course is any state-approved course, grades 9-12, in Art, Drama, Music, or Career and Technical Education (including Business, Health Occupations, Marketing, Trade and Industrial, and Technology Education).

S.O.L. and Verified Credits

This symbol (**SOL**) indicates that the Virginia Standards of Learning (S.O.L.) Test(s) in that subject will be administered a few weeks before the conclusion of the course. S.O.L. Tests at the end of certain courses determine whether the student receives a “verified credit”, a certain number of which are required for graduation. Using the S.O.L. Blueprints, teachers address S.O.L. test information throughout the students' education in Virginia. Scores on the S.O.L. tests are the major factor in determining a school's accreditation status.

Beginning with the Class of 2022, Verified Credits can be earned through courses that provide an End of Course SOL or a Local Alternative Assessment. This assessment will be determined by the Local School Board.

Courses with End of Year SOL Tests or Local Alternative Assessments -Provide Verified Credits

Reading, Literature and Research, Writing

English 11

Math

Algebra I
Geometry
Algebra II
Science
Earth Science
Biology
Chemistry

Social Studies

Ancient World History and Geography *
Modern World History and Geography *
Virginia and United States History *

* For the class of 2022, a Local Alternative Assessment may be given for these courses to earn a Verified Credit.

Special Programs

English as a Second Language (ESL)

Students for whom, English as a Second Language, are required to be assessed by the school division to determine their level of English Language Proficiency (ELP). Parents will be informed of the student's ELP level and placement/services available for the student. Additional information is available from guidance counselors. In some situations, the student may need more than four years to complete credits needed for graduation from high school. The school counselor can advise students and parents about planning the programs of studies needed for graduation.

Classroom Driver's Education

Driver's Education will be offered as part of Health and Physical Education 10 for Skyline and Warren County High Schools. Driver Education (classroom) covers the required 36 hours of instruction needed to then enroll in a private behind the wheel course. Certificates of completion are presented at the end of the unit.

Individualized Education

Provisions are made for individualized education for exceptional students. These include a continuum of services for students as needed to facilitate educational success.

Alternative Education

The Alternative Education Program is an individualized program to address the educational and personal needs of students who may be experiencing academic, behavioral and/or attendance problems in the regular school setting. Courses will be offered from the four core areas of math, language arts, science, and social studies and other coursework as deemed appropriate.

Dual Enrollment

Students may take advantage of a program which allows them to meet the requirements for high school graduation while simultaneously earning college credits. In all cases, students must receive prior written approval by the participating high school and the college for particular courses to be taken. The student transcript until the guidance office has received the college transcript. **There is a cost for dual enrolled credits. It is the responsibility of the student to pay the tuition rate as set by the college at the time of enrollment.** Financial Aid is not available to high school students.

Senior Year Plus Early College Scholars

Early College Scholars provides a full semester of college credit before graduating from high school. Seniors become Early College Scholars by signing an Early Scholar Agreement. To qualify, a student must:

- Have a “B” average
- Be pursuing an Advanced Studies Diploma
- Complete or have completed college-level coursework (i.e., Advanced Placement)
- Complete dual enrollment equal to at least 15 transferable college credits.

Early College Scholars receive a diploma seal and certificate from the Governor recognizing their achievement. Early College Scholars also take courses through the Virginia Virtual Advanced Placement School free of charge.

SOL Prep (Grades 9-12)

Extra help sessions will be offered that are designed to provide additional practice and support for the courses that require end of course SOL tests. Students will be enrolled in these sessions through either teacher recommendation, parent/student request, or as determined by their SOL needs. No credit is given for SOL prep

Summer School

Summer School offers repeat courses required for graduation. SOL testing is available during the summer session. Seniors who need to repeat a course to meet graduation requirements may be able to complete it in summer school and receive a diploma in August. Repeat courses are offered at no charge; however, new courses may be offered if personnel cost can be paid for by tuition revenue. New courses require that the student complete 140 hours.

Gifted/Talented Program

The Warren County Public Schools Gifted/Talented Program provides services for students who are identified as gifted in grades K – 12. Programs and services are available for students who are gifted in general intellectual aptitude (grades K-12).

Curriculum and instruction is differentiated for identified students in grades 6, 7, and 8. Gifted students are cluster grouped in English and Math classes. Students may enroll in the GATE elective.

Identified students in grades 9-12 may take honors classes, advanced placement courses, online courses, independent study, or may be dual enrolled in college classes. They may also participate in the Governor’s Early College Scholars program and take Virtual Advanced Placement classes. In addition, they may apply to Mt. Vista Governor’s School for Math, Science, and Technology, which serves students in grades 10, 11 and 12. Admission is by application, Warren County shares student slots with surrounding county schools.

In addition to classes, programs, and activities provided by the local school system, Warren County’s identified gifted students have many opportunities to participate in other programs sponsored by national, state, or regional groups. Summer Residential Governor’s Schools are statewide programs available to tenth and eleventh grade gifted students. Blue Ridge Environmental Studies Regional Summer Governor’s School is available to gifted students in grades five through eight. For more information on the Gifted/Talented Program, contact Janet Myers, Gifted Education Coordinator at 635-2171, ext. 34224.

Mountain Vista Governor’s School

Mountain Vista Governor’s School is a regional school for students entering 10th, 11th or 12th grade who have the abilities and desire to accept a challenging program of studies that emphasizes science and mathematics. The program engages students in scholarly investigations of the integrated processes of

science with research and extended learning opportunities patterned after the activities of scholars and professionals. Students attend Governor's School at Lord Fairfax Community College in the mornings and take classes at their base high school in the afternoons. There is the opportunity to earn college credits each year by taking Advanced Placement exams and/or by receiving dual enrollment credits. Students must participate in an application process and be accepted in order to attend. Once accepted, students may withdraw only at the end of the first semester or at the end of the school year. A limited number of slots are available to each participating school system. Final applications will be due March 1 of each school year. Students may be required to take one or more online courses through their base school in order to fulfill graduation requirements.

MVGS offers two science focus options, Physics/Engineering or Biology/Life Science. Selection of a focus area is made during the 10th grade year, or year one at MVGS.

Prerequisites: Geometry and Algebra II. Biology is highly recommended but not required prior to acceptance at MVGS. Biology is required prior to the end of 10th grade year for the Biology/Life Science focus.

Virginia Virtual Advanced Placement Program

The following is a list of available courses through the Virginia Virtual Advanced Placement Program: AP Art History, AP Biology, AP Calculus AB, AP Computer Science A, AP Government and Politics: Comparative, AP Government and Politics: US, AP English Literature and Composition, AP English Language and Composition, AP European History, AP Environmental Science, AP Human Geography, AP Latin Literature, AP Physics, AP Psychology, AP French Language, AP Spanish Language, AP Statistics, AP US History, AP World History, Chinese & Culture, Spanish IV, Pre-Calculus/Mathematical Analysis, AP Macro Economics, AP Micro Economics. AP Calculus BC, Advanced Chemistry, AP Latin: Vergil, Arabic I,II, III, Chemistry Honors, AP Chinese language Chinese I,II,III, IV, Creative Writing, Earth Science, Earth Science II-Astronomy, Economics & Personal Finance, French I,II, Intro to Game Design & Development, Introductory Spanish, Beginning Spanish, Intermediate Spanish, Advanced Spanish, Latin I,II,III,IV, Physics Honors, Psychology, Survey of World Language & Culture, World History & Geography, Part I, World Mythology.

Contact your school counselor for more information on the registration process. The deadline for registration for Virtual Virginia courses is August 1st.

Other Virtual programs

Several computer or virtual programs are available for use for students. Primarily these programs are used for special situations where the regular school day does not meet the student's needs. These programs are accessed via the student's school guidance department. The main virtual programs used are Virtual Virginia and APEX online learning.

Distance Learning

Each high school is equipped with a state of the art distance learning lab. A variety of courses are accessed utilizing this lab.

Recommended Testing for College-Bound Students

PSAT – Preliminary Scholastic Assessment Test

All 10th Graders will take the PSAT. Students benefit by both the practice in taking a national test and early identification of academic strengths and weakness to provide opportunities to improve their scores and to guide in selecting future courses of study.

Students can see their progress from the previous years and juniors will enter special scholarship competition such as the National Merit Scholarship Qualifying Test. PSAT measures critical reading, writing and math reasoning skills. This test is administered only in October

SAT I – Reasoning Test

Eleventh and twelfth grade students should take the SAT I which measures critical reading, writing and mathematical reasoning. A student should begin taking the test by the spring of the eleventh grade and may repeat the test several times.

Most colleges use the highest of the three scores obtained, even if the two scores were earned on separate test sessions. The tests are given several times each year at high schools in our area. Students must register about six weeks in advance of the test. Registration bulletins for the test are available in the guidance office and must be mailed, along with payment, to the College Board, or completed on-line At <http://www.collegeboard.com> “Taking the SAT” is a free study guide which provides helpful test-taking hints and a sample test. It is available in the school counseling office. Students who need assistance with fees to take the test should talk with their counselor.

SAT II – Subject Tests

SAT II measures students’ knowledge and skills in a particular subject and their ability to apply that knowledge. Tests are offered in many subjects. The test should be taken towards the end of the completion of a subject. For example, if a student is completing Chemistry in Grade 11, he/she should take the SAT II test in Chemistry in the spring of the eleventh grade. Not all colleges require SAT II; generally, the most competitive schools request that a student take a math, English with writing, and sometimes a third test such as science or foreign language. Students may register for up to three tests in one day. The tests are given on the same dates as certain SAT I. Registration materials are available in the guidance office. “Taking the SAT II”, a booklet available in the school counseling office, provides information about the test and sample test questions. There is online information and registration available at www.collegeboard.com.

ACT

ACT measures academic achievement in English, mathematics, reading, and science reasoning. Registration materials and study guides are available in the school counseling office.

TOEFL – Test of English as a Foreign Language

TOEFL measures a student’s ability to read, write, and understand English. Students who are applying to college and for whom English is a second language can demonstrate their ability to use English. Some colleges require this test for second language speakers.

Some colleges will accept the SAT II English as a Second Language test instead of the TOEFL.

AP – Advanced Placement

The Advanced Placement Program is often known as “AP”. AP courses allow students the opportunity to do college-level work while they are enrolled in high school. Students who enroll in an AP course should expect extensive reading, writing, and critical thinking as a part of course expectations.

In the spring students are expected to take the nationally standardized AP examinations. Colleges may award academic credit and/or special placement if a student earns a qualifying score on the exam.

Students may take an AP examination, regardless of whether or not they are enrolled in an AP course. Exams are given in the spring on a nationally designated date. A fee is charged at registration. There is financial assistance for eligible students. See your school counselor for information. Students enrolled in courses are expected to take the examinations at the end of the year.

AP courses are taught by dedicated and committed high school teachers and lay the groundwork for students to succeed on AP exams. On-line AP courses may be available. See counselor for details
AP/Dual enrollment courses: Students scoring a 3, 4, or 5 on their course AP exam, that is also dual enrolled, will be reimbursed the out of pocket cost of the dual enrolled portion of the course.
AP courses: Students scoring a 4 or 5 on their course AP exam will have their name placed on a perpetual plaque at the respective high school. Mountain Vista Governor's School courses are excluded.

Graduation Requirements

To earn a high school diploma in Virginia, students must earn the required minimum number of units of credit in effect when that student first entered the 9th grade. There are two types of units of credit that a student may earn:

- A standard unit of credit is earned by completing 140 hours of instruction and passing the course.
- A verified unit of credit is earned by passing a course and its related Standards of Learning test, approved substitute test, or local alternative assessment. Students may repeat certain end-of-course tests to earn the verified credit required for graduation.

Note diplomas on the following pages.

Credit Accommodations for Standard Diploma

Credit accommodations provide alternatives for student's disabilities in earning the standard and verified credits required to graduate with a Standard Diploma.

Credit accommodations for students with disabilities may include:

- Alternative courses to meet the standard credit requirements
- Modifications to the requirements for locally awarded verified credits
- Additional tests approved by the Board of Education for earning verified credits
- Adjusted cut scores on tests for earning verified credits
- Allowance of work-based learning experiences through career and technical education courses

An Applied Studies Diploma will be awarded to students with disabilities who complete the requirements of their Individualized Education Program (IEP) and who do not meet the requirements for other diplomas.

For specific course requirements for each type of diploma, consult your child's school counselor.

Students who do not meet the requirements for any of the available diplomas may be awarded a *Certificate of Program Completion* when they conclude a course of studies approved by the local school board. A Certificate of Program Completion shall be awarded to any student who completes the required units of credit for a diploma as required by the Regulations for Establishing Standards for Accrediting Public Schools in Virginia but who has insufficient verified units of credit as required by the same Standards. *GAD – General Achievement Diploma* -The requirements for the General Achievement Diploma include prescribed standard units of credit (22) and a passing score on the General Educational Development (GED) examination. Standard credits required for the General Achievement Diploma may be earned in a variety of educational settings: a public school; a community college or other institution of higher education; an adult high school program; or correspondence, distance learning, and online courses.

Academic and Career Plans

By fall of a student's 8th grade year an Academic and Career Plan is developed with each student and their parents to show the student's pathway to high school graduation and postsecondary experience. This plan will be started during the student's 7th grade year and is reviewed before 9th and 11th grade to assist with any changes that occur as the student moves through high school.

First Aid, CPR, and AED training

Students shall be trained in emergency first aid, cardiopulmonary resuscitation, and the use of automated external defibrillators, including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation. This requirement will be met for all students as part of Health and Physical Education 9 curriculum. Students with an Individualized Education Program (IEP) or 504 Plan that documents that they cannot successfully complete this training shall be granted a waiver from this graduation requirement, as provided.

Physical Education

Beginning with the 2018-2019 school year, a program of physical activity will be available to all students in grades kindergarten through 5, consisting of at least 20 minutes per day or an average of 100 minutes per week during the regular school year. A program of physical activity will be available to all students in grades 6 through 12 with a goal of at least 150 minutes per week on average during the regular school year. Such programs may include any combination of (i) physical education classes, (ii) extracurricular athletics, (iii) recess, or (iv) other programs and physical activities deemed appropriate by the local school board. Each local school board shall implement such programs during the regular school year.

Warren County Educational Foundation Scholarship And Thompson Scholarship

The boy and girl at each high school with the highest academic GPA and who meet the criteria will receive either the scholarships from the Warren County Educational Foundation Scholarship or the Thompson Scholarship. The scholarships are usually in the amount of \$3000 each, but may be adjusted depending on the amount of money available for the distribution.

Criteria for all scholarships are as follows:

- Recipients must have evidence of acceptance at an accredited, degree granting college or university.
- Attendance in grades 9-12 in the Warren County Public School System is required. Attendance means that the student shall be enrolled in a minimum of two classes at the student's high school.
- The top male and top female at Skyline High School will be awarded scholarships from the Thompson Scholarship.
- The top female student at Warren County High School will also be awarded money from the Thompson Scholarship.
- The top male student at Warren County High will be awarded money from the Warren County Educational Foundation.

DIPLOMAS FOR THE CLASS OF 2019 - CLASS OF 2021

STANDARD DIPLOMA

Discipline Area	Standard Credits Required	Verified Credits Required
English	4	2
Mathematics	3	1
Laboratory Science	3	1
History and Social Science	3	1
Health and PE	2	
Foreign Language, Fine Arts, or Career & Tech Ed	2	
Economics and Personal Finance	1	
Electives	4	
Student Selected Test		1
Totals	22	6

ADVANCE DIPLOMA

Discipline Area	Standard Credits Required	Verified Credits Required
English	4	2
Mathematics	4	2
Laboratory Science	4	2
History and Social Science	4	2
Health and PE	2	
Foreign Language	3	
Fine Arts or Career & Tech Ed	1	
Economics & Personal Finance	1	
Electives	3	
Student Selected Test		1
Totals	26	9

NOTE: Students must earn a board approved career and technical education credential to graduate with a Standard Diploma. Please visit <http://www.doe.virginia.gov/instruction/graduation/index.shtml> for more information.

DIPLOMAS FOR THE CLASS OF 2022 AND BEYOND

STANDARD DIPLOMA

Discipline Area	Standard Credits Required	Verified Credits Required
English	4	2
Mathematics	3	1
Laboratory Science	3	1
History and Social Science	3	1
Health and PE	2	
Foreign Language, Fine Arts, or Career & Tech Ed	2	
Economics and Personal Finance	1	
Electives	4	
Totals	22	5

ADVANCE DIPLOMA

Discipline Area	Standard Credits Required	Verified Credits Required
English	4	2
Mathematics	4	1
Laboratory Science	4	1
History and Social Science	4	1
Health and PE	2	
Foreign Language	3	
Fine Arts or Career & Tech Ed	1	
Electives	3	
Economics & Personal Finance	1	
Totals	26	5

AWARDS FOR EXEMPLARY STUDENT PERFORMANCE

Students who demonstrate academic excellence and/or outstanding achievement may be eligible for one of the following awards:

1. Students who complete the requirements for an **Advanced Studies Diploma** with an average grade of “B” or better, and successfully complete at least one advanced placement course (AP), international baccalaureate (IB) or one college-level course for credit, will receive the Governor’s Seal on their Diploma.
2. Students who complete the requirements for a **Standard or Advanced Diploma** with an average grade of “A” will receive a Board of Education Seal on their Diploma.
3. The **Board of Education’s Career and Technical Education Seal** will be awarded to students who earn a Standard or 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” or better average in those courses; or (i) pass an examination in a career and technical education concentration or specialization that confers certification from a recognized industry, trade or professional association or (ii) acquire a professional license in that career and technical education field from the Commonwealth of Virginia.
4. The **Board of Education’s Seal of Advanced Mathematics and Technology** will be awarded to students who earn either a Standard or Advanced Studies Diploma and (i) 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” average or better; and (ii) either (a) pass an examination in a career and technical education field that confers certification from a recognized industry, or trade or professional association; (b) acquire a professional license in a career and technical education field from the Commonwealth of Virginia; or (c) pass an examination approved by the Board that confers college-level credit in a technology or computer science area.
5. **Excellence in Civics Education** will be awarded to students who earn a Standard or Advanced Studies Diploma and complete US History and US Government with “B” or higher and Complete 50 volunteer hours of participation in community service or extracurricular activities. (Examples: Boy Scouts, Girl Scouts, charitable work through religious organizations, or any student who enlists in the military prior to graduation.) Student also must have good attendance and no disciplinary infractions.
6. **Academic Year of Governor’s School** seal will be awarded to students who have completed courses at Mountain Vista Governor’s School during their high school career. Students shall be counseled annually regarding the opportunities for using substitute tests for earning verified credits as provided and the consequences of failing to fulfill the obligations to complete the requirements for verified units of credit.
7. **The Board of Education’s Seal of Biliteracy** will be awarded to students who earn a Board of Education-approved diploma and (i) pass all required End-of-Course Assessments in English reading and writing at the proficient on higher level; and (ii) be proficient at the intermediate-mid level or higher in one or more languages other than English, as demonstrated through an assessment from a list to be approved by the Superintendent of Public Instruction.



WARREN COUNTY & SKYLINE MIDDLE SCHOOL COURSE OFFERINGS

Course Cancellation: Any course that does not have sufficient funding or enrollment will be cancelled. Students will be required to make an alternate choice.

AGRICULTURAL EDUCATION

Introduction to Agriscience (Grade 6) 8002

Prerequisite: None

Course Description: Middle school students develop an awareness of the relationships between agriculture and science. Major concepts covered in the course include awareness of agriculture, the world of work, agribusiness careers, human relations, and scientific principles applies in agriculture.

Agriscience and Technology (Grade 7) 8803

Prerequisite: None

Course Description: Students explore science as it relates to agriculture and develop an understanding of human relations, communication, the importance of agriculture to the economy, and key scientific terms related to the field of agriculture.

Agriscience and Technology (Grade 8) 8004

Prerequisite: None

Course Description: Students gain understanding of agriscience, agribusiness, mechanics, and basic animal science while also focusing on leadership and personal development through the FFA. Students will learn to care for and manage companion animals important to agriculture. Topics will include safety around animals, general animal health, and careers in the agriculture industry.

ART

Art (Grade 6) 9103

Prerequisite: None

Course Description: This seven week exploratory course introduces basic drawing skills, the elements of art and the principles of design, according to the Virginia Visual Arts Standards of Learning for 6th grade. **Expectations:** Students will develop emerging skills in several different mediums. **Assessment:** Students are assessed on

developing skills, understanding of and understanding of Art concepts, participation, and use of and care of materials.

Art (Grade 7)

9105

Prerequisite: None

Course Description: This semester course emphasizes fundamental art and drawing skills, using the elements of art and principles of design, according to the Virginia Visual Arts Standards of Learning for 7th grade. **Expectations:** Students will develop emerging skills in several different mediums. **Assessment:** Students are assessed on developing skills, understanding of and understanding of Arts concepts, participation, and use o and care of materials.

Art 8 (Grade 8)

9115C

Prerequisite: None

Course Description: This course is ideal as an introduction to art skills and materials as an exploratory for further high school studies. Students are guided through the process of drawing basic forms, still lives, portraits, and landscapes. They will have an introduction to the principles and elements of art. **Expectations and Assessment:** Students are expected to complete class projects and tests to pass the class.

CAREER & TECHNICAL EDUCATION

➤ **Business and Information Technology**

Career Investigation (Grades 6-7)

9068

Prerequisite: None

Course Description: This course allows students to explore career options and begin investigating career opportunities. This course also helps students identify and demonstrate the workplace skills that employers desire in their future employees. Students will also develop and enhance touch skills for entering alphabetic, numeric and symbolic information on a keyboard. Students will compose and produce personal, educational and professional documents. **Expectations and Assessment:** Students assess their roles in society, identify their roles as workers, analyze their personal assets, complete a basic exploration of career clusters, select career pathways or occupations for further study, and create an Academic and Career Plan based on their academic and career interests. Students will be graded on their mastery of skills as reflected on projects, tests, and exams.

Computer Solutions (Grades 7) Semester

6609

Prerequisite: None

Course Description: In this course, students use the computer as a problem-solving tool to complete a variety of projects. Basic touch keyboarding instruction is provided early in this semester course. **Expectations and Assessment:** Students are expected to actively participate in all activities. Students are assessed on their understanding of and participation in class assignments.

Make It Your Business (Grades 8)

Semester

8112

Prerequisite: None

Course Description: Students design, establish, and operate a small group or class business, producing a service or product that meets an identified school or community need. Emphasis is placed on the introduction of business terminology, basic entrepreneurship concepts, and fundamental business principles. **Expectations and Assessment:**

➤ Family and Consumer Science

Family and Consumer Sciences Exploratory I (Grade 6)

8206 (9 weeks)

Prerequisite: None

Course Description: This course provides a foundation for managing individual, family, career, and community roles and responsibilities. In this course, students focus on areas of individual growth such as person safety and health. They also explore and practice financial management, clothing maintenance, food preparation, positive and caring relationships with others, and self-assessment as related to career exploration. Students apply problem-solving and leadership skills as they progress through the course. English, social sciences, fine arts, and technology are integrated throughout the course. **Expectations and Assessment:** Students will learn the necessary skills to be more responsible, more respectful and to make better decisions. **Assessment:** In addition to quizzes and tests, special projects are an integral part of student assessment.

Family and Consumer Sciences Exploratory II (Grade 7)

8263 (18 weeks)

Prerequisite: None

Course Description: This is a middle school course that provides a foundation for managing individual family, work, and community roles and responsibilities. Student focus on their individual development as well as their relationships and roles within the family unit. They learn how to maintain their living and personal environments and to use nutrition and wellness practices. Students also apply consumer and family resources, develop textile, fashion, and apparel concepts, and explore careers related to Family and Consumer Sciences. Time is also provided for early childhood education concepts and leadership skills. **Expectations and Assessment:** Students will learn the necessary skills to be more responsible, more respectful and to make better decisions. **Assessment:** In addition to quizzes and tests, special projects are an integral part of student assessment.

Family and Consumer Sciences Exploratory III (Grade 8)

8244

Prerequisite: None

Course Description: This nine-week course provides a foundation for management of individual, family, work, and community roles and responsibilities. **Expectations:** Students will explore concepts and practice skills related to problem solving, leadership, interpersonal relationships, ethical practices, career interests, environmental issues, and high-quality work. Mathematics, science, language, social sciences, fine arts, and technology are integrated throughout the course. **Assessments:** Students will complete benchmarks and a final exam.

➤ Technology Education

Introduction to Technology Exploratory (Grade 6)

8481 (9 weeks)

Prerequisite: None

Course Description: Students first study the basic elements of all technology, including processes, energy, information and people. They explore up to six systems of technology, including biotechnology, energy, construction, transportation, communication and production/manufacturing. Finally, they relate the impact of

technology on society, environment and culture to future consequences and decisions. **Expectations and Assessment:** Students are expected to explore six systems of technology and to understand and apply each system in various assessments.

Inventions and Innovations (Grade 7)

8464 (18 weeks)

Prerequisite: None

Course Description: Students make models of significant inventions that have advanced society. After studying these developments, they explore contemporary technological problems facing them, their community or the world and apply systematic procedures to invent new products or innovations as solutions. **Expectations:** Students are expected to demonstrate comprehension of technological developments in society through application activities. **Assessment:** In addition to quizzes and tests, special projects are an integral part of student assessment.

Gateway to Technology –Design and Modeling (Grade 8)

8476 (9weeks)

Prerequisites: none

Course Description: Students experience what it means to be an Engineer in Design and Modeling. Students discover the design process, and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they've learned throughout the unit to design a therapeutic toy for a child who has cerebral palsy.

FOREIGN LANGUAGES

Spanish Exploratory (Grade 6)

5504

Prerequisite: None

Course Description: This exploratory will introduce students to basic Spanish Vocabulary and culture. We will focus on a variety of topics including basic greetings, numbers, days, months, seasons, the alphabet, body parts, food, family members, and colors. This course is designed to elicit interest in the language that inspires future study.

Spanish Exploratory (Grade 7) 1 Semester Only

5504

Prerequisite: None

Course Description: This is a basic language course focusing on speaking, understanding, reading and writing with an emphasis on speaking and understanding. Some Hispanic and Spanish culture are included. **Expectations:** Students will develop emerging skills in speaking, reading, and writing the Spanish language. **Assessment:** Students are assessed on their understanding and application of key concepts related to the study of Spanish.

Spanish I (Grade 8) 1 Semester Only

5510C, 1 Credit

Recommendation: Grade of "B" or higher in most recently completed English class.

Course Description: Students will learn the fundamentals of the Spanish language. In addition, students will study the history, civilizations, and culture of countries where the language is spoken. **Expectations:** Students are expected to use the Spanish language in their daily interactions with their teacher and fellow classmates. **Assessment:** There is no End of Course SOL test, but students must successfully pass benchmark tests to show their mastery of the material. Students must also demonstrate mastery through oral and written examinations that take place throughout the semester.

Latin I (Grade 8) 1 Semester Only

5310C, 1 Credit**Recommendation:** Grade of “B” or higher in most recently completed English class.

Course Description: This course is an introduction to the basic Latin grammar and vocabulary required to read and comprehend beginning passages of Latin. English derivatives are studied to demonstrate the influence of Latin upon the English language and to contribute to the growth of each student’s vocabulary. In addition, students will be introduced to the mythology, history, and daily life of the Romans. **Expectations:** Students are expected to read and comprehend Latin on a daily basis. Students also create projects that demonstrate their knowledge of the Latin language and Roman culture. **Assessment:** There is no End of Course SOL test, but students must successfully pass benchmark tests to show their mastery of the material. Students must also demonstrate mastery through written examinations and translations that take place throughout the semester.

***Middle school students electing to take Latin I will be transported to Skyline or Warren County High School to take this course.**

French I (Grade 8) 1 Semester Only**5110C, 1 Credit****Recommendation:** Grade of “B” or higher in most recently completed English class.

Course Description: This course introduces the French language and the culture of French speaking countries. Students are taught basic listening, speaking, reading and writing skills. The course includes the study of speech patterns, pronunciation, vocabulary and grammatical structure. **Expectations:** Students are expected to use the French language in their daily interactions with their teacher and fellow classmates. **Assessment:** There is no End of Course SOL test, but students must successfully pass benchmark tests to show their mastery of the material. Students must also demonstrate mastery through oral and written examinations that take place throughout the semester.

***Middle school students electing to take French I will be transported to Skyline or Warren County High School to take this course.**

HEALTH AND PHYSICAL EDUCATION

Health and PE (Grade 6)**7110****Prerequisite:** None

Course Description: This course is divided into three parts – Health, Physical Education and Fitness Training. Health education will consist of nutrition and first aid. Physical education deals with individual, team and lifetime sports. Fitness training deals with the basic fundamentals of weight training and cardiovascular fitness.

Expectations for Students: Students must dress out in required PE uniform and participate in all activities.**Assessment:** To be successful all students must dress out and participate to the best of their ability.**Health and PE (Grade 7)****7120****Prerequisite:** None

Course Description: This course is divided into three parts – Health, Physical Education and Fitness Training. Health education will consist of nutrition and first aid. Physical education deals with individual, team and lifetime sports. Fitness training deals with the basic fundamentals of weight training and cardiovascular fitness.

Expectations for Students: Students must dress out in required PE uniform and participate in all activities.**Assessment:** To be successful all students must dress out and participate to the best of their ability.**Adaptive PE (Grades 6-8)****7700 & 7700**

Prerequisite: Teacher Recommendation

Course Description: This class is for eligible students who require the class as determined by unique medical restrictions. **Expectations and Assessment:** Students are expected to participate in all activities and are assessed according to their abilities.

Health and PE 8 (Grade 8)

7200

Prerequisite: None

Course Description: The objective of this course is to teach physical fitness and concepts, team and individual sports, and topics in health education. **Expectations:** Students are to dress each day for activity. Students will participate in activities and give a good effort. **Assessment:** Students must successfully pass benchmark and skills/knowledge tests for given activities.

LANGUAGE ARTS

English (Grade 6) SOL

1109

Prerequisite: English grade 5

Course Description: This course emphasizes reading, English grammar, composition and spelling. Students will learn strategies for reading both non-fiction and fiction. Grammar and writing skills are emphasized throughout the course. Students will practice the English 6 standards required to take and pass the SOL test at the end of the course. **Expectations and Assessment:** Students are assessed through three quarterly benchmarks, as well as unit tests, and the SOL test.

English (Grade 7) SOL

1110

Prerequisite: English 6

Course Description: The student will continue to read a wide variety of fiction, nonfiction, and poetry while becoming more independent and analytical. The student will continue to refine written composition skills through narrative, descriptive, and expository essays. In addition, students will be introduced to persuasive writing. Lastly, the student will continue vocabulary development through a study of figurative language and continuing study of roots and affixes. **Expectations:** Students are expected to read a variety of fiction and nonfiction texts and develop the four types of essays. **Assessment:** Students are assessed through three quarterly benchmarks, eight total essays, and the SOL test.

English 8 (Grade 8) SOL

1120

Prerequisite: English 7

Course Description: English 8 emphasizes the correct use of language, spelling, and mechanics by applying grammatical conventions in writing and speaking. Throughout the course, students will plan, draft, revise, and edit writing, with emphasis on exposition and persuasion. Reading and writing skills will be applied in all subjects, and critical responses to literature are expected. The student will continue development of vocabulary, with attention to connotations and figurative language. English 8 will continue to develop an appreciation for literary genres through a study of a wide variety of selections. The eighth-grade student will also develop and deliver oral presentations in groups and individually. **Expectations and Assessment:** Students enrolled in English 8 must take the Grade 8 Reading and Writing SOLs to complete the course.

Journalism (Grades 7- 8) Semester

1220

Prerequisite: Application process required

Course Description: This course is for students interested in creative writing as well as print and video journalism. **Expectations:** Students will work on and produce creative writing pieces, newsletters, the school newspaper and yearbook, vide newscasts and other productions using Word, Publisher, and digital and video cameras. An application must be completed. **Assessment:** Students are assessed on their understanding and application of the writing process and on their contributions to the school newspaper, yearbook, and other productions.

MATHEMATICS

Math (Grade 6) SOL

3110

Prerequisite: Math 5

Course Description: The sixth-grade standards are a transition from the emphasis placed on whole number arithmetic in the elementary grades to foundations of algebra. The standards emphasize rational numbers. Students will use ratios to compare data sets; recognize decimals, fractions, and percent as ratios; solve single-step and multistep problems, using rational numbers; and gain a foundation in the understanding of integers. **Expectations:** Students will solve linear equations and use algebraic terminology. Students will solve problems involving area, perimeter, and surface area, work with π (pi), and focus on the relationships among the properties of quadrilaterals. In addition, students will focus on applications of probability and statistics. **Assessment:** Students are assessed on a variety of standards for mastery. Students will take an SOL test at the end of the course.

Math (Grade 7) SOL

3111

Prerequisite: Math 6

Course Description: The seventh-grade standards continue to emphasize the foundations of algebra. Students who successfully complete the seventh-grade standards should be prepared to study Algebra I in grade eight. Topics in grade seven include proportional reasoning, integer computation, solving two-step linear equations, and recognizing different representations for relationships. **Expectations:** Students will apply the properties of real numbers in solving equations, solve inequalities, and use data analysis techniques to make inferences, conjectures, and predictions. **Assessment:** Students are assessed on their mastery of the standards presented in this course. Students will take an SOL test at the end of the course.

Pre-Algebra (Grade 8) SOL

3112

Prerequisite: Math 7

Course Description: Pre-Algebra is a combination of Math 8 and the foundations of Algebra I. This course is designed to review and extend previous concepts and skills learned in Kindergarten Math through Math 7. Some of these concepts include computation with rational numbers and proportional reasoning. Additionally, Pre-Algebra contains new content which prepares students for success with the more abstract concepts in Algebra and Geometry. New content which prepares students for Algebra includes solving multistep equations and inequalities, graphing and writing linear equations, and presenting relations and functions, using tables, graphs, and rules. New content which prepares students for geometry includes visualizing three-dimensional shapes represented in two-dimensional drawings, applying transformation to geometric shapes in the coordinate plane, and applying and verifying the Pythagorean Theorem. A student who is successful in Pre-Algebra should be ready to take Algebra I as a ninth grader. **Assessments:** Students will take benchmark assessments at the end of the first 3 nine-weeks and the Math 8 SOL test at the end of the course.

Algebra I Semester (Grade 8) SOL

3130C, 1 Credit

Prerequisite: Math 7 and school recommendation

Course Description: The Algebra I curriculum introduces students to methods for representing mathematical relationships. Students will develop facility with the concepts and symbols of algebra and how the symbols can be used to record data. Students will explore linear and quadratic patterns and develop the understanding of functions. The students will use manipulatives, graphing calculators, and other applications to develop concepts and attach meaning to abstract ideas. **Expectations:** This course will meet every other day for the school year resulting in a time equivalency to one semester, which requires students to work at a faster pace than previously expected. **Assessment:** Students will complete benchmark assessments and pass the End of Course SOL Test for verified credit.

MUSIC

Chorus (Grade 6) **9269**

Prerequisite: None

Course Description: 6th Grade Choir is a full-year course. This course presents the fundamentals of singing together in a choir. We perform repertoire from a variety of musical genres, eras, and languages. Students will learn the basics of music theory and sight reading. **Expectations and Assessment:** Two evening concerts, several community performances, and the rental of concert attire are required.

Chorus (Grade 7) **9270**

Prerequisite: None

Course Description: 7th Grade Choir is a full-year course. This course presents the fundamentals of singing together in a choir. We perform repertoire from a variety of musical genres, eras, and languages. Students will learn the basics of music theory and sight reading. **Expectations and Assessment:** Two evening concerts, several community performances, and the rental of concert attire are required.

Chorus (Grade 8) **9271**

Prerequisite: None

Course Description: This course is an elective vocal music course for 8th grade students. Students will learn the basics of music notation, markings, sight-reading and terminology. **Expectations:** Students will perform for the holiday concert, spring concert and other functions in the community. **Assessment:** Students are assessed on participation in class and at concerts outside of class time. Various tests will be used to assess mastery of the course material.

Beginning Band (Grades 6-7) **9230**

Prerequisite: None

Course Description: The fundamentals of playing an instrument are pursued in this full-year course. Performing at two night concerts is required, along with the rental or purchase of an instrument. Course will be offered only with sufficient enrollment (7th grade). **Expectations for Students:** Students will have a positive attitude toward learning, students and parents will commit to regular practice outside of class, and attendance at all performances is mandatory, per the Performance Attendance Policy. Students are required to complete an alternate assignment for any missed performance. **Assessment:** Assessment is ongoing throughout the course, and is mostly done by demonstration, both individual and group.

Concert Band (Grade 7)

9231

Prerequisite: Beginning Band

Course Description: The second year course following Beginning Band 6; a continuation of playing and performing occurs during this full-year course. Concert Band gives a minimum of three night-time concerts, at which attendance is required. **Expectations for Students:** Students will have a positive attitude toward learning, students and parents will commit to regular practice outside of class, and attendance at all performances is mandatory, per the Performance Attendance Policy. Students are required to complete an alternate assignment for any missed performance. **Assessment:** Assessment is ongoing throughout the course, and is mostly done by demonstration, both individual and group. A formal state-based assessment occurs in March with our performance at District Concert Assessment.

Band 8 (Grade 8)

9229

Prerequisite: Successful Completion of Band Grade 7 or by Teacher Recommendation

Course Description: The 8th grade band is a continuation of the Middle School band program. There are performances in Winter and in Spring as well as some other possible performances including; Solo and Ensemble, All District Band, All District Festival, and one joint performance. **Expectations:** The expectation for students in band is regular practice, students bringing instruments to band class each time we meet, as well as making the performances, which are a culmination of all work done in class. **Assessment:** Students are graded through testing and performance preparation during class. Performances are considered to be a “test” of the learning process. Failure to attend performances, which are graded, will impact a student’s grade when not accompanied with an approved absence.

SCIENCE

Science (Grade 6)

4105

Prerequisite: Science 5

Course Description: This is an in-depth study of natural science, including ecosystems, conservation, earth studies and physical science. Topics such as weather, light, energy & matter, basic chemistry, and the solar system. **Expectations:** The students are expected to complete class work, homework, projects, and laboratory experiments. **Assessment:** Students will be graded on quizzes, tests, lab reports, midterms and benchmark tests.

Life Science (Grade 7)

4115

Prerequisite: Science 6

Course Description: This course is the study of living organisms and their environment; emphasis is placed on hands-on activities and projects. **Expectations:** The students are expected to complete class work, homework, projects, and laboratory experiments. **Assessment:** Students will be graded on quizzes, tests, lab reports, midterms and benchmark tests.

Physical Science (Grade 8)

SOL

4125

Prerequisite: Life Science

Course Description: Physical Science is a science course that goes through the topics of Scientific Investigation, Chemistry, Sound, Light, Work, Force and Motion. **Expectations and Assessment:** Students are required to complete an End of Course SOL test and other mandatory assignments for completion of the course.

HISTORY/SOCIAL STUDIES

U. S. History to 1865 (Grade 6) 2353

Prerequisite: None

Course Description: This course is the study of American history to 1865. Topics that are emphasized include Geography, the American Indians, European Exploration, Colonial America, the American Revolution, Western Expansion, Abolition and Suffrage, and the Civil War. **Expectations:** Students will study each unit to gain mastery of the material. **Assessment:** Student grades will include projects, tests and exams.

U. S. History: 1865 to Present (Grade 7) 2354

Prerequisite: U. S. History to 1865

Course Description: This course is the study of American history from 1865 to the present including western expansion, industrialization and America's interaction with foreign nations. Map reading and geography skills are also practiced. **Expectations:** Students will study each unit to gain mastery of the material. **Assessment:** Student grades will include projects, tests and exams.

Civics and Economics (Grade 8) 2357C

Prerequisite: US History: 1865 to Present

Course Description: Students will examine the Constitution and various historic documents; identify the rights and duties, and responsibilities of citizens; and describe the structure and operation of government at the local, state and national levels. Students will also investigate the process by which decision are made in the American market economy and explain the government's role in it. **Expectations and Assessment:** Students will complete tests, benchmarks and projects to complete the course.

Modern Social Dilemmas 9000 (9 weeks)

Course Description: A course that will look at social problems through the eyes of middle school students. Students will look at problems facing them environmentally, economically, politically and socially and seek to better understand their role in how to better shape those events. Students will explore and apply skills for handling themselves effectively in a modern world.

World Cultures (Grade 8)

Course Description: The World Cultures course is designed to provide students the opportunity to study the people and places of today's world. Students learn about the impact of people on historical and present-day events in a variety of societies and identify the locations and geographic characteristics these display. Further, students learn to compare institutions common to all societies such as government, economics, education, and religion.



SKYLINE AND WARREN COUNTY HIGH SCHOOL COURSE OFFERINGS

Course Cancellation: Any course that does not have sufficient funding or enrollment will be cancelled. Students will be required to make an alternate choice.

ART

Art I: Art Foundations (Grades 9-12)

9120C, 1 Credit

Prerequisite: None

Course Description: Art Foundations emphasizes the development of abilities to recognize visual arts content, concepts, and skills to create, discuss, and understand original works of art. The standards represent a thematic approach to visual communication and production, cultural context and art history, judgment and criticism, and aesthetics through which students will develop an understanding and appreciation for the visual arts. **Expectations:** Students will maintain a portfolio documenting their accomplishments. Art I can also be a prerequisite for Crafts as Art and these two courses will satisfy sequential electives when graduating with a Standard Diploma. **Assessment:** Students are assessed on the quality of the classroom projects and tests.

Art II: Intermediate (Grades 10-12)

9130C, 1 Credit

Prerequisite: Art Foundations with a grade of “C” or better.

Course Description: This course extends and refines abilities to investigate and respond to the visual arts. The standards emphasize the importance of content, concepts, and skills involved in the creation of original works of art. The standards introduce a chronological approach to visual communication and production, cultural context and art history, judgment and criticism, and aesthetics that enhance student understanding of the ways in which art functions within a multicultural society. **Expectations:** Students will continue to maintain a portfolio and select representative work to take to the next level of study. **Assessment:** Students will be assessed on the quality of all artwork and tests.

Art II: 3-D Art (Grades 10-12)

9196C, 1 Credit

Prerequisites: Completion of either Art I or Craft as Art with a grade of “C” or better.

Course Description: This intermediate course is designed to help students extend and refine the ability to investigate and respond to the visual arts through three-dimensional media. Students examine the importance of content, concepts and skills involved in the creation of original works of sculpture and 3-D design. Students maintain sketchbooks and portfolios, selecting representative work to take to the next level of study.

Art III: Advanced Intermediate Art (Grades 11-12)

9140C, 1 Credit

Prerequisite: Successful completion of Art II with a grade of “C” or better

Course Description: This advance course continues the emphasis on development of abilities or organized and analyze visual arts content, concepts, and skills in creating works of art. The focus on art history, critical evaluation, and aesthetics is increased, and includes cultural and stylistic issues and creative problem solving. **Expectation and Assessment:** Study at this level affords students the opportunity to develop a personal direction in the production of their works of art or to further academic study in the visual arts. Selected works of art and other products will be added to the portfolio and carried forward to the next level of study.

Art IV: Advanced Art (Grades 11-12)

9145C, 1 Credit

Prerequisite: Successful completion of Art III with a grade of “C” or better.

Course Description: Advanced Art reinforces competence and confidence in skills of analysis, evaluation, and creation of works of art. Content and concepts associated with art criticism and aesthetics are central to the refinement of art production skills, and the student-directed approach at this level richly enhances personal expressive abilities. Visual communication and production, cultural context, and art history, judgment and criticism, and aesthetics remain the foundation areas of the standards, and an advanced level of performance in each is necessary. **Expectation and Assessment:** The students will continue to maintain a portfolio, and the culminating portfolio must give evidence of quality, concentration, and breadth of work produced throughout the high school art program.

Crafts as Art (Grades 9-12)

9160C, 1 Credit

Prerequisite: None

Course Description: Craft as Art is designed to be a hands-on project-based class. Students will explore many medias and different trades in the art world. Materials we will be exploring cardboard, paper, magazine, clay, fabric, string, wire, paints, paper-mache and tissue. Crafts as Art and Art I can be taken to meet sequential elective credits. **Expectations and Assessment:** Students are expected to complete projects and tests for credit in the class.

Graphic Arts Design I (Grades 9-12)

9153C, 1 Credit

Prerequisite: None

Course Description: Students will learn to explore digital imaging and graphic design and animation. Students will work through lessons learning Adobe Photoshop and create original projects culminating in a student created web page using rollovers and animated gif. Students will also create a graphic magazine of the environment called an Ecozine. **Expectations and Assessment:** Students will develop skills necessary to complete digital imaging and graphic design projects. Students will be graded on vocabulary and concepts as well as mastery of skills.

Graphic Arts II (Grades 10-12)

WCHS

9156C, 1 Credit

Prerequisite: Graphic Arts I

Course Description: Advanced Adobe photo shop studies using Scott Kelley’s Photoshop for Digital Photographers. Creating original projects. Logo, letterhead design and stationary designs.

AP Studio 2-D Art (Grades 11-12)

AP

9148H, 1 Credit AP Test

Prerequisite: Skyline: Art I, II and III. **WCHS:** Photo I, II and III must be completed with a grade of “B” or better and be recommended by the Art Department.

Course Description: This course provides students with a rigorous college level studio art class. All the principles of art and elements of design are implemented in various mediums on multiple 2-D surfaces. Students will learn

time management and creative thinking while creating artwork. The college formula for studio art courses is 2 hours of work for every hour of class work; at the least, students should spend equal time outside of the classroom working. In the spring, portfolios will be prepared for AP reading and grading, college credits can be earned by the student. Students will have summer assignments to complete in order to finish this course in the fall. Some materials will be the responsibility of the student to buy.

CAREER & TECHNICAL EDUCATION

➤ Agricultural Education

Applied Agricultural Concepts (Grades 9-12)

8073C, 1 Credit

Prerequisite: None

Course Description: Students develop basic agricultural mechanical skills in the areas of, but not limited to, carpentry, electricity, project design and planning, landscaping and food science. Practical learning experiences will be stressed.

Introduction to Animal Systems (Grades 10-12)

8008C, 1 Credit

Recommendation: Completion of Applied Agricultural Concepts. This course will be offered on a rotating basis with Introduction to Plant Systems.

Course Description: Students develop competencies in each of the major area of the Animal Systems career pathway including animal nutrition, reproduction, breeding, care, and management. Students learn agricultural mechanics applicable to animal systems. Students will be exposed to principles of leadership, opportunities within student organizations along with supervised agricultural experience opportunities.

Small Animal Care I (Grades 10-12)

8083C, 1 Credit

Prerequisite: Introduction to Animal Systems (8008) or Applied Agricultural Concepts (8073)

Course Description: Students learn how to care for and manage small animals, focusing on instructional areas in animal health, nutrition, management, reproduction, and evaluation. Course content also includes instruction in the tools, equipment, and facilities for small animal care, and provides activities to foster leadership development. Live animal handling may occur.

Introduction to Plant Systems (Grades 10-12)

8007C, 1 Credit

Recommendation: Completion of Applied Agricultural Concepts. This course will be offered on a rotating basis with Introduction to Animal Systems.

Course Description: Students develop competencies in each of the major areas of the Plant Systems career pathway, including applied botany, plant propagation, and plant care and selection. Instructional content also includes an introduction to the various divisions of the plant systems industry. Students learn agricultural mechanics applicable to plant systems. As with all agriculture courses, students will be exposed to the principles of leadership

Horticulture Sciences (Grades 10-12)

C, 1 credit

Prerequisite: Introduction to Plant Systems

Course Description: Students are taught the operating procedures for a greenhouse. Units of instruction include developing plant production facilities, science application in plant production, and identification of plants. Business management, leadership development, and marketing skills are emphasized to prepare students for careers in the greenhouse plant production and management industry.

➤ **Business & Information Technology**

Entrepreneurship Education (Grades 9-12)

9093C, 1 Credit

Prerequisite: None

Course Description: Entrepreneurship introduces students to the exciting world of creating, owning, and launching their own business. Students will learn concepts and techniques for planning and innovative business and living the entrepreneurial lifestyle. **Expectations for Students:** Students are expected to complete a simulation program to enhance their learning experience. **Assessment:** Students must successfully pass benchmark tests to show their mastery of the material.

Sequences with any of the following: Accounting, Introduction to Marketing, Opportunities in Hospitality and Tourism, Computer Information Systems

Economics and Personal Finance (Grades 9-12)

6120C, 1 Credit

Prerequisite: None

Course Description: Instruction in economics and personal finance prepares students to function effectively as consumers, savers, investors, entrepreneurs, and active citizens. Students learn how economies and markets operate and how the United States' economy is interconnected with the global economy. On a personal level, students learn that their own human capital (knowledge and skills) is their most valuable resource. **Expectations and Assessment:** Students are expected to complete assignments and assessments for mastery learning. A new state requirement for all students entering ninth grade for the first time in 2013-14 must earn a board approved career and technical education credential to graduate with a standard diploma. As a requirement of the course, students will take a state approved industry credential.

Fundamentals of Cybersecurity (Grades 9-12)

6302C, 1 Credit

Prerequisite: None

Course Description: 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.

Computer Information Systems – Microsoft Office Suite (Grades 9-12)

6612C, 1 Credit

Prerequisite: Keyboarding course(s) or teacher-approved documentation of touch keyboarding skills.

Course Description: Students apply problem-solving skills to real-life situations through word processing, spreadsheets, databases, multimedia presentations, and integrated software activities. Students work individually and in groups to explore computer concepts, operating systems, networks, telecommunications, and emerging technologies. **Expectations:** Assignments such as tests, quizzes, benchmarks and projects must be completed with conscious effort. **Assessment:** Students will complete tests, benchmarks and a final exam.

Advanced Computer Information Systems – Microsoft Office Suite (Grades 10-12)

6613C, 1 Credit**Prerequisite:** Computer Information Systems

Course Description: Students apply problem-solving skills to real-life situations through advanced integrated software applications, including printed, electronic, and Web publications. Students work individually and in groups to explore advanced computer maintenance activities, Web site development, programming, networking, emerging technology, and employability skills. **Expectations:** Assignments such as tests, quizzes, benchmarks and projects must be completed with conscious effort. It is an expectation that a credentialing test be completed at the end of the course. **Assessment:** Students will complete tests, benchmarks and a final exam.

Medical Systems Administration (Grades 11-12)**6730C, 1 Credit****Recommendation:** Completion of Computer Information Systems and proficient keyboarding skills.

Course Description: Students wishing to gain employment in the health care field may take this course to learn how to use medical terminology and apply administrative procedures necessary to be productive employees in a health care environment. Students will learn how to manage office activities, enhance communication skills, identify legal and ethical issues in health care practices, manage financial functions, and enhance employability skills.

Design/Multimedia and Web Technologies (Grades 10-12)**WCHS****6630C, 1 Credit****Prerequisite:** Computer Information Systems

Course Description: Students develop proficiency in using desktop publishing software to create a variety of printed and electronic publications. **Expectations:** Students will incorporate journalistic principles in design and layout of publications. **Assessment:** Students will complete tests, benchmarks and a final exam.

Advanced Design/Multimedia and Web Technologies (Grades 11-12) WCHS**6631C, 1 Credit****Prerequisite:** Computer Information Systems, Design/Multimedia

Course Description: Students work with sophisticated hardware and software to develop advanced-level websites and multimedia presentations. **Expectations:** Completion of this course may prepare students for a number of certification exams in the Certified Internet Webmaster program. **Assessment:** Students will complete tests, benchmarks and a final exam.

Accounting (Grades 10-12)**6320C, 1 Credit****Prerequisite:** None

Description of Course: 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 systems. Ethics and professional conduct are emphasized. Students learn fundamental accounting procedures using both manual and electronic systems. **Expectations for Students:** Assignments such as tests, quizzes, benchmarks and projects must be completed with conscious effort. **Assessment:** Students will complete tests, benchmarks and a final exam.

Advanced Accounting (Grades 11-12)**6321C, 1 Credit****Prerequisite:** Accounting with a grade of "C" or better

Description of Course: 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 systems. Ethics and professional conduct are emphasized. Students learn fundamental accounting procedures using both manual and

electronic systems. **Expectations for Students:** Assignments such as tests, quizzes, benchmarks and projects must be completed with conscious effort. **Assessment:** Students will complete tests, benchmarks and a final exam to show mastery.

Programming I (Grades 11-12) BRTC

6640C, 1 Credit

Prerequisite: Keyboarding or CIS strongly recommended.

Course Description: Students in the Programming course explore programming concepts, use algorithmic procedures, implement programming procedures with one or more standard languages, and master programming fundamentals. Coding is used throughout the course. Graphical user interfaces may be used as students design and develop interactive multimedia applications, including game programs.

Sequence Courses for Programming: Computer Information Systems, Design, Multimedia and Web Technologies, Modeling and Simulation

➤ Family & Consumer Science

Virginia Teachers for Tomorrow I and II (Grades 11-12)

DUAL ENROLLED

9062C / 9072C, 1 Credit

Prerequisite: 2.7 G.P.A. (this is a VA Department of Education requirement)

Course Description: This course introduced students to teaching and education. The primary elements of the curriculum components are the learner, the school, the teacher and teaching. The components are broad in scope and provide a great deal of flexibility based on the career interest of a student. **Expectations:** In addition to the fundamental curriculum, all students are required to participate in an internship outside the teacher cadet classroom. The internship may involve the pre-school level through grade 12. **Assessment:** Students are assessed on mastery of the components of education and internship assignment. Students have the option of dual enrollment through Shenandoah University (tuition fee required). **SEE IMPORTANT SIGNING BONUS INFORMATION PAGE 65**

Individual Development (Grades 9-12)

8210C, 1 credit

Prerequisites: None

Course Description: Students enrolled in Individual Development focus on encouraging personal potential of self and others throughout the life span; enhancing positive viewpoints; managing stressful situations; formulating a plan to achieve goals; forming healthy, caring relationships with family members and peers; managing conflict; choosing responsible ways to express oneself; and evaluating the importance of responsible parenting to individuals, families, and society. Teachers highlight the basic skills of mathematics, science, and communication when appropriate in content. **Expectations and Assessment:** Students will complete tests, benchmarks and a final exam.

Introduction to Early Childhood, Education and Services (Grades 9-12)

8234C, 1 credit

Prerequisite: None

Course Description: Students focus on careers related to the early childhood field through hands-on explorations, projects and cooperative learning experiences, including an overview of principles of child growth and development; appreciation of diversity; engaging learning experiences for children; principles of appropriate and effective guidance; healthy and safe environments; and development of self-concepts and building self-efficacy.

Sequence Courses: Individual Development, Nutrition and Wellness, Virginia Teachers for Tomorrow I

Introduction to Hospitality, Tourism and Recreation (Grades 9-12)

8259C, 1 credit

Prerequisites: None

Course Description: Students enrolled in Introduction to Hospitality, Tourism, and Recreation focus on developing professional skills and using emerging technologies to prepare for employment in this global industry, rich in diverse career opportunities. The program includes instruction in the industries of lodging, food and beverage, travel and tourism, and recreation and fitness.

Sequence Courses: Individual Development, Nutrition and Wellness, Culinary Arts I

Culinary Arts I (Grades 11-12) BRTC

8275C, 2 Credits

Prerequisite: None

Course Description: Students practice managerial, production, and service skills used in government, commercial, or independently owned institutional food establishments and related food industry occupations. Students plan, select, store, purchase, prepare, and serve food and food products; study basic nutrition, sanitation, and food safety; the use and care of commercial equipment; and the operation of institutional food establishments. **Expectations:** Critical thinking, practical problem solving, and entrepreneurship opportunities with the field of culinary arts are emphasized. **Assessment:** Students will complete classroom activities, tests, and a final exam.

Culinary Arts II (Grade 12) BRTC

8276C, 3 Credits

Prerequisite: Culinary Arts I with a grade of “C” or better.

Course Description: This course provides students an opportunity to refine skills in serving, dining room management, and other skills learned in Culinary Arts I. Students prepare for occupations such as chef/cook, baker/pastry helper, pastry decorator, hospitality worker, dietetic aide/assistant, food demonstrator, and entrepreneur. **Expectations:** Critical thinking, practical problem solving, and entrepreneurship opportunities within the field of culinary arts are emphasized. Teachers highlight the basic skills of mathematics, science and communication when appropriate in content. **Assessment:** Culinary Arts Certification Test.

Nutrition & Wellness (Grades 9-12) SHS

8229C, 1 credit

Prerequisite: None

Course Description: Students enrolled in Nutrition & Wellness focus on understanding wellness, investigating principles of nutrition, using science and technology in food management, ensuring food safety, planning menus and preparing food, and exploring careers in the field of nutrition and wellness. Critical thinking and practical problem solving are emphasized.

Sequence Courses: Individual Development, Intro to Hospitality/Tourism, Intro to Early Childhood, Culinary 1

➤ Health & Medical Science

Nurse Aide I (Grades 11-12) Semester 1 BRTC DUAL ENROLLED

8360C, 1.5 Credits

Prerequisite: Students must pass a background check and drug screen required through Valley Health to participate in this program.

Course Description: This is an occupational preparation course at the 11th and 12th grade level. It emphasizes the study of nursing occupations as related to the health care system. Students study normal growth and development, simple body structure and function, and medical terminology and are introduced to microbes and disease. They receive training in patient-nurse’s assistant relationships; taking and recording vital signs; cardiopulmonary resuscitation; and bathing, feeding, dressing, and transporting of patients in hospitals and nursing homes. Extensive on-the-job instruction in nursing homes and hospitals is part of the course. **Expectation and Assessment:** This

course is used to complete all competencies for an examination for Certified Nursing Assistant. It is taken along with Nurse Assistant II as a year-long course.

Nurse Aide II (Grades 11-12) Semester 2
8362C, 1.5 Credits

BRTC

DUAL ENROLLED

Prerequisite: Nurse Aide I with a grade of “B” or better (this is a VA Board of Nursing Requirement).

Course Description: This course is an occupational course, emphasizing advanced skill training in areas such as catheter care, range of motion, bowel and bladder training, care of the dying, selected procedures for maternal and infant care, and admission and discharge procedures. Students learn diseases and body systems as related to advanced clinical care of the acute medical-surgical patient, the chronically ill, and the elderly. On-the-job instruction in a licensed nursing home is part of the course. **Expectation and Assessment:** Upon completion of the nurse aide program, the student is eligible to take the nurse aide certification exam that leads to employment as a certified nurse aide in hospitals and nursing homes. This course is taken with Nurse Aide I as a year-long course.

Medical Terminology (Grades 10-12)
8383C, 1 Credit

BRTC

DUAL ENROLLED

Prerequisite: Computer Information Systems – Microsoft Office Suite (Grades 9-12)

***Pending Funding from the Claud Moore Grant**

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.

Principles of the Biomedical Sciences (PLTW) (Grade 9-12)
8379C, 1 Credit

BRTC

Recommendation: Completion of Biology is recommended. Incoming 9th graders interested in this course should also enroll in Biology I in 9th grade.

Course Description: In this course, students are taught concepts of human body systems and explore the body through diseases such as those leading to cardiac arrest, diabetes, sickle cell, cholesterol issues, and infectious diseases. The activities and projects introduce students to human physiology, medicine, and research processes. **Expectation and Assessment:** Students also explore medical interventions and are taught to write a scientific grant as a culminating activity.

Human Body Systems (PLTW) (Grade 10-12)
8380C, 1 Credit

BRTC

Prerequisite: Principles of Biomedical Sciences

Course Description: In this course, students examine the interactions of body systems as they explore identity, communication, power, movement, protection and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. **Expectations:** Students will work collaboratively to investigate and design solutions for the health challenges of the 21st century.

Medical Interventions (PLTW) (Grades 11-12)
8381C, 1 Credit

BRTC

Prerequisite: Human Body Systems

Course Description: Students investigate a variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the life of a fictitious family. The course is a “How To” manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent diagnose and treat cancer; and prevail when the organs of the body begin to fail.

Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. This course is designed for 11th and 12th grade students.

Biomedical Innovation (PLTW) (Grade 12)**BRTC****8382C, 1 Credit****Prerequisite:** Medical Interventions

Course Description: In this specialization course for Project Lead the Way (PLTW), students are taught concepts of human physiology, medical innovation, water contamination, public health issues, molecular biology, and forensic autopsy. Students complete an independent project as a culminating activity

> Marketing

Principles of Business and Marketing (Grades 9-10)**6115C, 1 Credit****Prerequisite:** None

Course Description: Students discover the roles of business and marketing in the free enterprise system and the global economy. Basic financial concepts of banking, insurance, credit, inheritance, taxation, and investments are investigated to provide a strong background as students prepare to make sound decisions as consumers, wage earners, and citizens. The real-world impact of technology, effective communication, and interpersonal skills is evident throughout the course. This course also supports career development skills and explores career options.

Sequence Courses: Accounting, Computer Information Systems, Digital Marketing, Entrepreneurship, Marketing, Medical Systems Administration, Opportunities in Hospitality & Tourism

Digital Marketing**8125C, 1 Credit (Grades 10-12)****Recommendation:** Principles of Business and Marketing

Course Description: Students receive an introduction to marketing functions and business plans and study internet marketing's role in the global economy. Students gain knowledge of the tools and techniques used in internet marketing and learn how to design a website. They explore ethical, legal, and security aspects and prepare for career internet marketing. 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.

Sports Marketing**8175C, 1 Credit (Grades 10-12)****Recommendation:** Principles of Business and Marketing

Course Description: Students develop skill in areas of marketing analysis, event marketing, communication, and human relations as they related to sports, entertainment, and recreation.

Advanced Marketing**8130C, 1 Credit (Grades 11-12)****Prerequisite:** Principles of Business and Marketing or Sports Marketing

Course Description: This is an expansion course based on the formation learned in Fundamental of Marketing. Students will expand their knowledge as they relate it to supervision and management responsibilities.

> Technology Education

Technology Foundations (Grades 9-12)

8403C, 1 Credit

Prerequisite: None

Course Description: In this beginning high school course, students acquire a foundation in technological resources including material, energy, and information and apply processes associated with the technological thinker. Challenged by laboratory activities, students create new ideas and innovations, build systems, and analyze technological products to learn further how and why technology works. They work in groups to build and control systems using engineering design in the development of a technology. This course may assist the student in preparing for the following certification examinations, national assessments, or licensure examinations approved by the Virginia Board of Education: National Career Readiness Certificate, Virginia Workplace Readiness Assessment and IC3 Certification, Workplace Readiness Skills for the Commonwealth Examination. **Expectations:** Students are expected to complete standards from the state of Virginia through lecture and labs. **Assessment:** Students must successfully pass benchmark tests to show their mastery of the material.

Technology Transfer (Grades 10-12)

8405C, 1 Credit

Prerequisite: Technology Foundations

Course Description: Students work with a variety of computers, materials, and systems to improve their skills and knowledge. Groups work together, applying mathematics, science, and communication concepts, on a project that combines systems such as production, energy, communication, transportation, biotechnology, and other technologies. Thematic activities engage students in community problems where they transfer the technological method to address recycling, space exploration, and housing. This course may assist the student in preparing for the following certification examinations, national assessments, or licensure examinations approved by the Virginia Board of Education: National Career Readiness Certificate, Virginia Workplace Readiness Assessment and IC3 Certification, Workplace Readiness Skills for the Commonwealth Examination. **Expectations:** Students are expected to dress and demonstrate proper safety procedures daily. Students must meet 80% of the competency standards from the state of Virginia through lecture and labs. **Assessment:** Students must successfully pass benchmark tests to show their mastery of the material.

Introduction to Engineering Design (Grades 9-12)

BRTC

8439C, 1 Credit

Prerequisite: Passed Algebra I SOL

Course Description: This is a course that teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed, and communicated using solid modeling computer design software. **Expectations:** Using 3-D computer modeling software, students learn the design process and they solve design problems as they develop, analyze, and create product models. **Assessment:** Students are assessed on their mastery of the problem-solving process as they create product models.

Sequence Courses: Principles of Engineering, Digital Visualization: 3D Animation

Principles of Engineering (Grades 10-12)

BRTC

8441C, 1 Credit

Prerequisite: Introduction of Engineering Design

Course Description: This course helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people. The course also includes concerns about social and political consequences of technological change. **Expectations and Assessment:** Students are assessed on their mastery of the problem-solving process as they use engineering concepts and practices.

Digital Electronics (Grades 11-12)**BRTC****8440C, 1 Credit****Prerequisite:** Introduction of Engineering Design

Course Description: This is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design, test, and actually construct circuits and devices.

Expectations and Assessment: Students are expected to apply principles of engineering in the application of electronic circuits and devices.

Engineering Design and Development (Grade 12)**BRTC****8443C, 1 Credit****Prerequisite:** Digital Electronics

Course Description: In this capstone course of Project Lead the Way (PLTW), teams of students guided by community mentors work together to research, design, and construct a solution to engineering problems. Students synthesize knowledge, skills, and abilities through an authentic engineering experience. **Expectations and**

Assessment: Students are expected to develop and formally present an independent-study project and a team-oriented project that are critiqued by an evaluation committee.

Digital Visualization – 3D Animation (Grades 10-12)**BRTC****8459C, 1 Credit****Prerequisite:** PLTW Introduction to Engineering Design or Technical Drawing Design

Course Description: Students gain experiences related to computer animation by using graphics and design concepts. Students solve problems involving 3-D object manipulation, storyboarding, texturing/mapping, lighting concepts, and environmental geometry. Students create a variety of animations that reflect real-world applications and are introduced to interactive and 3-D animation software. Production of a portfolio showcasing examples of original student work is included.

Sequence Courses: Introduction to Engineering Design

Modeling and Simulation – Game Design (Grades 11-12)**BRTC****8460C, 1 Credit****Prerequisite:** Digital Visualization (8459/36 weeks) or Programming (6640/36 weeks)

Course Description: Students will explore the use of modeling, simulation, and game development software to solve real-world problems in science, technology, engineering, and mathematics (STEM). The activities will include evaluating and testing engineering designs, modeling geospatial data, observing and analyzing physics simulations, programming games for educational purposes, and creating visualization systems with 3d models. Students will develop an understanding of the systems, processes, tools, and implications of the field of modeling and simulation technology.

Sequence Courses- Digital Visualization, Programming

PLTW Software Engineering (Grades 11-12)**8470C, 1 Credit****PLTW Prerequisite:** Intro to Engineering Design and Principles of Engineering

Course Description: This PLTW course aims to develop students' computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cyber security, and simulation

➤ Trade & Industrial Education

Automotive Technology I (Grades 10-11)

BRTC

8506C, 2 Credits

Prerequisite: None

Course Description: This program provides a thorough understanding of automotive fundamentals and the skills needed to inspect, diagnose, repair, or make adjustments to vehicles. Students learn to repair fuel, electrical, cooling, brake, drive train, and suspension systems. Instruction is given also in the adjustment and repair of individual components and systems such as radiators and transmission. **Expectation and Assessment:** Emphasis will be placed on ASE Certificate preparation throughout all phases of this program. In the first year, 60% of class time is allocated to automotive theory in the classroom and 40% to shop/laboratory work.

Automotive Technology II (Grades 11-12)

BRTC

8507C, 3 Credits

Prerequisite: Automotive Technology I

Course Description: This program provides a thorough understanding of automotive fundamentals and the skills needed to inspect, diagnose, repair, or make adjustments to vehicles. Students learn to repair fuel, electrical, cooling, brake, drive train, and suspension systems. Instruction is given also in the adjustment and repair of individual components and systems such as radiators and transmission. **Expectation and Assessment:** Emphasis will be placed on ASE Certificate preparation and Motor Vehicle Safety Inspection Licensure throughout all phases of this program. The second year is comprised of 30% automotive theory and 70% hands-on laboratory/shop work and all training is geared toward achieving ASE Certification.

Carpentry I (Grades 10-11)

BRTC

8601C, 1 Credit

Prerequisite: None

Course Description: This class explores all tools, shop, and general safety related issues necessary for successful carpentry. Students will develop basic carpentry skills which include the proper use of hand and power tools, how to read a tape measure, and how to use various squares to determine angles and pitches. **Expectation and Assessment:** Students will use the knowledge they have gained to design and build small projects.

Carpentry II (Grades 11-12)

BRTC

8602C, 3 Credits

Prerequisite: Carpentry I

Course Description: This class begins by reviewing safety standards for tools and shop. Students begin taking the responsibility of building larger projects such as storage buildings. In this class students will learn how to layout and cut stairs and rafters. They will also learn the proper layouts for decks, walls, and roof systems. In addition, students learn to layout and install asphalt shingles. **Expectations and Assessment:** Students will take a ten-hour OSHA safety course.

Electricity I (Grades 10-11)

BRTC

8533C, 1 Credits

Prerequisite: None

Description of Course: This program will provide a foundation for students who want a career in one of the many aspects of the electrical field. The program begins with general safety and first aid, occupational introduction, trade information (NEC), basic theory of electricity, alternating and direct current wiring methods. **Expectations:** First year students will focus primarily on safety, basic theory, wiring methods covering residential practices, identification/use of tools and equipment associated with the electrical trade. Students should expect 70% classroom instruction and 30% hands-on projects in the first year. **Assessment:** Labs (daily classroom assignments), quiz

grades, hands-on projects, and benchmark test.

Electricity II (Grades 11-12)

BRTC

DUAL ENROLLED

8534C, 3 Credits

Prerequisite: Electricity 1

Course Description: This program will align with previous course and allow students to focus on a more intense coverage of the electrical field including Residential, Commercial and Industrial applications. The program begins with an overview of general safety and first aid, occupational introduction, trade information (NEC), basic theory of electricity, alternating and direct current wiring methods. **Expectations:** Second year students will focus on different aspects of the electrical field that can help them determine the type of electrical work they would be most interested in for future employment. Students will also enroll in the career safe online course, where they have the opportunity to complete the 10 hour OSHA safety program and receive the OSHA 10 card for the construction industry. Students will experience approximately 50% classroom work and 50% hands-on. Dual enrollment credits are available. **Assessment:** Labs (daily classroom assignments), quiz grades, hands-on projects, and benchmark test. Second year students will be required to take an Industry Certification test through Skills USA. Dual enrollment credit is available.

Electricity III (Grade 12)

BRTC

8535C, 3 Credits

Prerequisite: Electricity II. This class size will be limited.

Course Description:

Expectations and Assessment:

Welding I (Grades 11-12)

BRTC

8672C, 1.5 Credits

Prerequisite: None Class size limited.

Course Description: This program provides students with the opportunities to develop a variety of skills in welding, metal work and other aspects of the metal trades. Laboratory experiences include layout work using a variety of measuring devices, cutting, drilling, framing, and blueprint reading. In the classroom the students will learn metallurgy as it relates to welding. **Expectations and Assessment:** In the first year students will complete a variety of metal projects using Arc and oxyacetylene welding techniques.

Welding II (Grades 11-12) Semester 1

BRTC

8673C, 1.5 Credits

Prerequisite: Welding I and Instructor/Admin Approval.

Course Description: This program provides students with the opportunities to develop a variety of skills in welding, metal work and other aspects of the metal trades. Laboratory experiences include layout work using a variety of measuring devices, cutting, drilling, framing, and blueprint reading. In the classroom the students will learn metallurgy as it relates to welding. **Expectations and Assessment:** In the second year, emphasis will be placed in Mig and Tig welding and completing various projects using these techniques. Students will be encouraged to work on welding certifications throughout the second year including plate and pipe certifications in Mig, Tig, and stick welding.

INDUSTRIAL MAINTENANCE TECHNOLOGY I & II (Grade12) 36 weeks

LFCC

8575C & 8576C, 6 Credits

Application due February 28, 2018

Prerequisite: Student must have a 2.5 GPA or better and Algebra I. Applicants must have met all requirements for graduation and must take Government and English their senior year. Applicants must have successfully completed one (or more) of the following:

- Agriculture Concepts (8073)
- Basic Technical Drawing (8435)

- Automotive Technology (8506)
- Electricity and Cabling (8533 or 8534)
- Carpentry (8601 or 8602)

IMTA is taught at Lord Fairfax Community College. Competitive applications will be accepted in the school division office of Career and Technical Education. Three students total from the high schools will be selected (by committee) to attend the academy based on their application. Transportation is provided from each high school. Students will ride the Governor’s school bus and return to their home high school each day, departing at 7:30 AM and returning at 11:30 AM.

At the successful completion of this one-year academy, in addition to high school credit, students will earn 31 college credits and complete a career Studies Certificate in EPA CFC and Electricity. All applicants must have met all graduation requirements and must take the senior level English and Government.

IMTA prepares students for living-wage jobs in our community. Students learn skills in welding, HVAC, hydraulics and pneumatics, and electricity that will allow them to work in the engineering department in a large building or industrial facility. Students will also learn skills related to a variety of industrial safety regulations; the use of calipers and micrometers and math conversions for precision measuring/quality control; practice drawing and interpreting technical drawings; and perform a variety of welding and metal work operations.

Students will successfully master all course competencies and upon successful completion of this one-year academy, will be Career and Technical Education Completers in Industrial Maintenance Technician I and Industrial Maintenance Technician II.

8576 (Non) 5 credits
 31 College Credits/Lord Fairfax Community College
 Duration: 36 weeks
 Grade Level: 12
 GPA: 2.5 or better and Algebra I

Emergency Medical Technician (EMT) Academy (Grade 12)

LFCC

8333C, 8334C, 6 credits

Prerequisite: Admission to the program is a selective process. The student must be at least 16 years old, have passed their Biology SOL exam, and have a 2.75 GPA. College placement tests must be taken as well;

Course Description: This one-year program leads to the completion of the first semester of the Associate of Applied Science Degree in Emergency Medical Services at Lord Fairfax Community College and prepares students for certification as a Virginia and/or National Registry EMT.

Expectations: Hold current certification in an Office of Emergency Medical Services [approved cardiopulmonary resuscitation \(CPR\) course](#) at the beginning date of the EMT course.

FOREIGN LANGUAGES

French I (Grades 9-12)

5110C, 1 Credit

Recommendation: Grade of “C” or higher in most recently completed English.

Course Description: This course introduces the French language and the culture of French speaking countries. Students are taught basic listening, speaking, reading and writing skills. The course includes the study of speech patterns, pronunciation, vocabulary and grammatical structure. **Expectations:** Students are expected to use the French language in their daily interactions with their teacher and fellow classmates. **Assessment:** There is no End of Course SOL test, but students must successfully pass benchmark tests to show their mastery of the material. Students must also demonstrate mastery through oral and written examinations that take place throughout the semester.

French II (Grades 9-12)**5120C, 1 Credit****Recommendation:** Grade of “C” or higher in French I.

Course Description: French II is a continuation of the communication skills established in Level I with a focus on the larger cultural/linguistic community, geography, and description of past events. In addition, Level II includes more complex grammatical structures and increased vocabulary development through conversation and dialogues in the target language. **Expectations:** Students are expected to expand their knowledge of the French language by applying all structures taught throughout the course. **Assessment:** Students must successfully pass benchmark tests to show their mastery of the material. Students must also demonstrate mastery through oral and written examinations that take place throughout the semester.

French III (Grades 10-12)**5130C, 1 Credit****Recommendation:** Grade of “C” or higher in French II.

Course Description: French III is an expansion of the fundamentals learned in Levels I and II of the target language. Emphasis is placed on fluency through discourse in contemporary social issues. Students further explore the geography and culture of countries where the language is spoken. **Expectations:** Students in French III are expected to develop greater fluency in the spoken language and increased vocabulary through supplementary readings and listening activities. Students research topics of interest and prepare oral and written reports, and projects in the target language. **Assessment:** There is no End of Course SOL test, but students must successfully pass benchmark tests to show their mastery of the material. Students must also demonstrate mastery through oral and written examinations that take place throughout the semester.

French IV-V (Grades 11-12)**5140A, 1 Credit****Recommendation:** Grade of “B” or higher in French III.

Course Description: Students in French IV experience, discuss, and analyze stories, poetry, music, paintings, dance, and drama in the target language including selections from various literary genres. Reading and writing for specific purposes enhances the development of language skills. **Expectations:** Students in French IV are expected to develop greater fluency in the spoken language and increased vocabulary through supplementary readings. Students are expected to research topics of interest and prepare oral and written reports, and projects in the target language. Students will complete literary analysis of selected texts. **Assessment:** There is no End of Course SOL test, but students must successfully pass oral and written examinations that take place throughout the semester.

Latin I (Grades 9-12)**5310C, 1 Credit****Recommendation:** Grade of “C” or higher in most recently completed English class.

Course Description: This course is an introduction to the basic Latin grammar and vocabulary required to read and comprehend beginning passages of Latin. English derivatives are studied to demonstrate the influence of Latin upon the English language and to contribute to the growth of each student’s vocabulary. In addition, students will be introduced to the mythology, history, and daily life of the Romans. **Expectations:** Students are expected to read and comprehend Latin on a daily basis. Students also create projects that demonstrate their knowledge of the Latin language and Roman culture. **Assessment:** There is no End of Course SOL test, but students must successfully pass benchmark tests to show their mastery of the material. Students must also demonstrate mastery through written examinations and translations that take place throughout the semester.

Latin II (Grades 9-12)**5320C, 1 Credit****Recommendation:** Grade of “C” or better in Latin I.

Course Description: Students review material from level one, learn more complex language structures and vocabulary, and continue to develop skills necessary to read Latin texts. Much attention continues to be given to English vocabulary building through Latin word study. Emphasis is placed on the Romans in ancient Britain and Egypt. **Expectations:** Students of Latin II are expected to translate and interpret passages of Latin on a daily basis. Students also create projects that demonstrate their knowledge of the Latin language and Roman culture. **Assessment:** There is no End of Course SOL test, but students must successfully pass benchmark tests to show their mastery of the material. Students must also demonstrate mastery through written examinations and translations that take place throughout the semester.

Latin III (Grades 10-12)

5330C, 1 Credit

Recommendation: Grade of “C” or better in Latin II.

Course Description: Students continue to learn advanced grammatical concepts, vocabulary, and syntax. They translate passages of increasing length and complexity that pertain to the daily life and history of the Roman Empire. The study of Roman culture and English derivatives continues. Medical terms derived from Latin will also be explored. **Expectations:** Students of Latin III are expected to translate and interpret passages of Latin on a daily basis. Students also create projects that demonstrate their knowledge of the Latin language and Roman culture. **Assessment:** There is no End of Course SOL test, but students must successfully pass benchmark tests to show their mastery of the material. Students must also demonstrate mastery through both written and oral translations that take place throughout the semester.

Latin IV-V (Grades 11-12)

5340A, 1 Credit

Recommendation: Grade of “B” or higher in Latin III

Course Description: This course introduces students to the translation and interpretation of advanced Latin literature. Students translate numerous passages of Latin related to Roman history, mythology, and daily life. Emphasis is placed on grammar and vocabulary relevant to the literary text. **Expectations:** Students of Latin IV are expected to translate, parse, interpret, and discuss passages of Latin on a daily basis. Students also create projects that demonstrate their knowledge of the Latin language and Roman culture. **Assessment:** There is no End of Course SOL test, but students must successfully pass both oral and written examinations that take place throughout the semester.

AP Latin (Grade 12)

AP

SHS

5370H, 1 Credit

Recommendation: Three (3) to five (5) years of Latin instruction.

Course Description: Throughout this course, students will develop their ability to read, translate, analyze, and interpret the poetry and prose passages required on the AP Latin reading list from both Vergil’s *Aeneid* and Caesar’s *De Bello Gallico*. In addition, students will employ critical thinking skills to generate literary analyses of Latin reading selections. They will also continue to apply their knowledge of complex grammatical forms, syntactic structures, and rhetorical devices. **Expectations:** Students of AP Latin are expected to translate and interpret passages of advanced Latin on a daily basis. Summer reading and writing assignments are required prior to the start of the course. **Assessments:** Students are expected to take the AP Latin Exam at the completion of the course. Students must also demonstrate mastery through both written and oral assessments.

Spanish I (Grades 9-12)

5510C, 1 Credit

Recommendation: Grade of “C” or higher in most recently completed English class.

Course Description: Students will learn the fundamentals of the Spanish language. In addition, students will study the history, civilizations, and culture of countries where the language is spoken. **Expectations:** Students are expected to use the Spanish language in their daily interactions with their teacher and fellow classmates. **Assessment:** There is no End of Course SOL test, but students must successfully pass benchmark tests to show

their mastery of the material. Students must also demonstrate mastery through oral and written examinations that take place throughout the semester.

Spanish II (Grades 9-12)**5520C, 1 Credit****Recommendation:** Grade of “C” or higher in Spanish I.

Course Description: Students will expand on the knowledge learned in Spanish I. The course continues to foster interest in the language, culture, civilization, and heritage of Spain, Mexico, and South America. Students will also be exposed to more complex syntax, additional vocabulary, and listening and speaking activities which will be fostered through conversations in the target language. **Expectations:** Students are expected to expand their knowledge of the Spanish language by applying all structures taught throughout the course. **Assessment:** There is no End of Course SOL test, but students must successfully pass benchmark tests to show their mastery of the material. Students must also demonstrate mastery through oral and written examinations that take place throughout the semester.

Spanish III (Grades 10-12)**5530C, 1 Credit****Recommendation:** Grade of “C” or higher in Spanish II.

Course Description: This course refines the four basic language skills through grammar and studies of history, culture, and literature of Spain and Latin America. Students will explore more of the language and culture through reading and viewing, and emphasis will be placed on more abstract grammatical concepts. **Expectations for Students:** Students in Spanish III are expected to develop greater fluency in the spoken language and increased vocabulary through supplementary readings and listening activities. Students research topics of interest and prepare oral and written reports, and projects in the target language. **Assessment:** There is no End of Course SOL test, but students must successfully pass benchmark tests to show their mastery of the material. Students must also demonstrate mastery through oral and written examinations that take place throughout the semester.

Spanish IV-V (Grades 11-12)**5540A, 1 Credit****Recommendation:** Grade of “B” or higher in Spanish III.

Course Description: Students will continue to refine their Spanish language skills in grammatical structure through intense study and use of the target language in the classroom on a daily basis. In addition, students will build upon their skills of communication through presentations and projects on real world issues. **Expectations:** Students in Spanish IV are expected to develop greater fluency in the spoken language and increased vocabulary through supplementary readings. Students are expected to research topics of interest and prepare oral and written reports, and projects in the target language. Students will read and complete literary analysis of selected texts. **Assessment:** There is no End of Course SOL test, but students must successfully pass oral and written examinations that take place throughout the semester.

AP Spanish Language & Culture (Grade 12)**AP WCHS****5570H, 1 credit****Recommendation:** Three (3) to five (5) years of Spanish instruction.

Course Description: The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness.

HEALTH AND PHYSICAL EDUCATION

Health and PE 9 (Grade 9)

7300C, 1 Credit

Prerequisite: None

Course Description: The objective of this course is to teach physical fitness and concepts, team and individual sports, and topics in health education. **Expectations:** Students are to dress each day for activity. Students will participate in activities and give a good effort. Requirements for the standard and advanced diplomas include training in emergency first aid, cardiopulmonary resuscitation, and the use of automated external defibrillators which will be included in this course. **Assessment:** Students must successfully pass benchmark and skills/knowledge tests for given activities.

Health and PE 10/Drivers ED (Grade 10)

7405C, 1 Credit

Prerequisite: Health and PE 9

Course Description: Physical education in grade 10 is a required class for graduation. PE 10 will stress the importance of lifetime, individual, and team sports. Emphasis will be placed on the fundamentals of these activities, as well as helping students develop an understanding of maintaining a healthy body. Health topics will include drug awareness, nutrition, mental health, and care and prevention of injuries. Driver's Education covers the required 36 hours of instruction needed for enrollment in a private behind the wheel course. Certificates of completion are presented at the end of the unit. **Expectations:** Students are required to dress and participate daily. Students are expected a minimum of 36 hours of attendance for Driver's Education. Students will need to show mastery of the required skills. **Assessment:** There is no end of course SOL, but students must successfully pass benchmark and skills/knowledge tests of given activities.

PE 10 Strength Training/Drivers ED (Grade 10)

SHS

7401C, 1 Credit

Prerequisite: Health and PE 9

Course Description: Strength training will also cover the credit in physical education that students need for graduation. Strength training deals with the basic fundamentals of physical fitness through weight training, plyometrics, flexibility enhancement, speed, and agility development. Driver's Education covers the required 36 hours of instruction needed for enrollment in a private behind the wheel course. Certificates of completion are presented at the end of the unit. **Expectations for Students:** To attend class in designated attire and actively participate and engage in activities daily. Students must complete 36 hours of instruction and will demonstrate knowledge of the driving task and the automobile. **Assessment:** Weekly evaluations based on recorded data.

Advanced P.E. I, II (Grades 11-12)

7640C, 7651C, 1 Credit each

Recommendation: Health and PE 9, Health and PE 10

Course Description: This is an elective for students who have successfully completed Physical Education 9 and 10 and who have a sincere desire to continue their interest and development in Physical Education. This course is an advanced speed, strength, and agility development class. Students enrolled in this class will complete training sessions that will focus on developing absolute total body strength, power, speed, agility, flexibility, balance, and injury prevention for student-athletes. The mission of this course is to maximize physical performance while reducing the risk of injuries. **Expectations:** Students must attend class in designated attire and actively participate and engage in activities daily. This class is designed for students who desire to become better student athletes. **Assessment:** Weekly evaluations based on performance data that the student must record daily.

Lady Hawks Fitness (Grades 11-12)

SHS

7653C, 1 Credit

Recommendation: Health and PE 9, Health and PE 10

Course Description: This class is designed for students who are interested in exercise and health. This elective will include weightlifting principles, aerobic exercising, conditioning and agility principles, and lifetime sports at a more competitive level. **Expectations:** Students are expected to attend class in designated attire and to actively participate and engage in activities daily. **Assessment:** Students will complete weekly evaluations.

Lady Wildcat Fitness (Grades 10-12)

WCHS

7453C, 1 Credit

Recommendation: Health and PE 9, Health and PE 10

Course Description: This class is designed for students who are interested in exercise and health. This elective will include weightlifting principles, aerobic exercising, conditioning and agility principles, and lifetime sports at a more competitive level. **Expectations:** Students are expected to attend class in designated attire and to actively participate and engage in activities daily. **Assessment:** Students will complete weekly evaluations.

Adaptive PE (Grades 9-12)

7700N, 1 Credit

Recommendation: Teacher Recommendation

Course Description: This course is designed for eligible students who require the class as determined by unique medical restrictions.

Sports Medicine/Athletic Training I (Grades 9-12)

SHS

7660C, 1 Credit

Prerequisite: None

Course Description: This class is designed for students considering careers in health care or fitness and those interested in serving as student trainers. Coursework includes human anatomy, basic first aid, emergency response, and recognition, treatment, and care of sports related injuries. **Expectations and Assessment:** Participation in this class involves an activity fee and service hours with athletic teams.

Sports Medicine/Athletic Training II (Grades 10-12)

SHS

7662C, 1 Credit

Prerequisite: Sports Medicine I

Course Description: Sports Medicine II will offer instruction and practical application in the skills and techniques necessary for the prevention and care of athletic injuries. Topics to be covered will include: prevention, clinical evaluation and diagnosis, treatment, rehabilitation and reconditioning, immediate care, organization and administration, and professional responsibility. Sports Medicine II will allow students to expand on their Athletic Training background and will allow the opportunity to increase their practical skills and competency in the field of Athletic Training.

Basic Athletic Strength and Conditioning (Grades 10-12)

WCHS

7665C, 1 Credit

Recommendation: Must be participating in a sport.

Course Description: This course is designed to provide the foundation of athletic development. Student-athletes will participate in age and developmentally appropriate training, coordination, agility, and injury prevention. This course will teach basic principles of strength and conditioning field. The mission of this course is to maximize the physical potential of student while reducing the risk of injury during athletic participation.

Advanced Athletic Strength and Conditioning (Grades 11-12)

WCHS

7670C, 1 Credit

Recommendation: Basic Athletic Strength and Conditioning

Course Description: This course is an advanced speed, strength, and development class. Students enrolled in this class will complete training sessions that will focus on developing absolute total body strength, power, speed,

agility, flexibility, balance, and injury prevention. Students will learn physiological principles of sports performance development, as well as knowledge of the fitness and strength and conditioning professions. The mission of the course is to maximize physical performance while reducing the risk of injury in athletic participation. **Expectations and Assessment:** Weekly evaluations based on performance data that the student must record daily.

LANGUAGE ARTS

English 9

1130C, 1 credit,

Prerequisite: English 8

Course Description: English 9 is the study of the elements of the short story, poetry, non-fiction, drama and the novel. Student will examine these literary genres with emphasis on oral and written communication skills, including using reference materials for a research project. Grammar and vocabulary are taught in conjunction with these units.

Expectation and Assessment: Students are expected to complete assignments, projects and test, including benchmarks and exams.

English 10

1140C, 1 credit

Prerequisite: English 9

Course Description: The English 10 course emphasizes close analysis of world literature, informational materials, and dramatic selections along with development of greater precision, clarity, and style in writing to inform, explain, analyze, or entertain. **Expectations:** Students will be expected to credit sources of both quoted and paraphrased ideas as well as to use print, electronic data bases, and online resources to access information and complete a research project. **Assessment:** Progress will be assessed periodically by way of countywide benchmark testing as students prepare for the Virginia English SOL test, which will be given during the junior year.

English 11 **SOL**

1150C, 1 credit

Prerequisite: English 10

Course Description: This course is a study of oral and written communication with emphasis on the writing of effective sentences, paragraphs, essays, research paper(s), and resume(s). The literature is a chronological approach to the development of American literature and culture beginning with 17th century material. **Expectations:** Students will continue to develop critical and analytical thinking skills for application across their curriculum of studies and shall demonstrate mastery of curriculum. **Assessment:** Students must take and pass the End of Course SOL to earn a verified credit for the course.

English 11 Honors **SOL**

1150A, 1 credit

Prerequisite: English 10 with a grade of “C” or better.

Course Description: This course is a study of oral and written communication with emphasis on the writing of effective sentences, paragraphs, essays, research paper(s), and resume(s) with an added emphasis on academic writing. The literature is a chronological approach to the development of American literature and culture beginning with 17th century material. Students will continue to develop critical and analytical thinking skills for application across their curriculum of studies. **Expectations:** Students shall demonstrate mastery of curriculum. The course is designed to prepare students for future academic challenges. **Assessment:** Students must take and pass the End of Course SOL to earn a verified credit for the course.

AP Language and Composition (Grade 11)
1196H, 1 Credit

AP SOL DUAL ENROLLED SHS ONLY

Prerequisite: English 10 with a grade of “B” or better. **Recommendation:** English 10 Honors

Course Description: The focus of this course is rhetorical analysis and argumentative writing. Students will be trained in analyzing texts for tone, purpose, syntax rhetorical strategies, diction, and figures of speech. Students will analyze persuasive speeches essays for their validity in reasoning and effectiveness in persuasion. **Expectations:** This course is an intensive writing course that prepares students for the type of writing that is expected at college level. Student work will be required outside of class time. Summer assignments are required. **Assessment:** Students must take and pass the End of Course SOL test for English 11 to earn verified credit for the course.

English 12
1160C, 1 Credit

Prerequisite: English 11

Course Description: This course is a critical study of the history of British Literature and a review of grammar and composition skills. The writing will include literary criticism, expository and technical writing. **Expectations and Assessment:** Students will complete tests, benchmarks and critical assignments to demonstrate subject mastery.

English 12 Honors
1160A, 1 credit

Prerequisite: English 11 with a grade of “C” or better.

Course Description: This course is designed to meet the needs of students who are planning to go to college. Emphasis will be placed on composition and communication, literary analysis, and reading of English classics and those of other cultures of the world. **Expectations and Assessments:** Students are expected to exhibit mastery the curriculum as determined by the teacher. Tests, essays and benchmarks must be complete to earn a credit for the course.

AP Literature and Composition (Grade 12)
1195H, 1 Credit

AP DUAL ENROLLED SHS ONLY

Prerequisite: English 11 with a grade of “B” or better. **Recommendation:** English 11 Honors or AP Language and Composition. Please note, to Dual Enroll in AP Literature and Composition a student must have successfully completed AP Language and Composition (Required by Lord Fairfax Community College)

Course Description: In this course, students will demonstrate their knowledge of literary elements and devise through written response to selected prose, poetry, and drama. This course prepares students for college English. **Expectations and Assessment:** Students are expected to complete reading and writing assignments outside of class and to utilize critical thinking skills throughout the course. Students are expected to take the AP Exam for Literature and Composition at the completion of the course. Summer reading is required prior to the start of class.

Mythology I (Grades 9-12)
1515C, 1 credit

Recommendation: English with a grade of “C” or better.

Course Description: This course introduces myths and legends of the world. Students will read, discuss, and analyze various myths and legends. **Expectation and Assessment:** Students will complete projects and presentations that relate to mythology. Tests, projects, and exams must be completed to earn credit for the course.

Mythology II (Grades 10-12)
1517C, 1 Credit

SHS

Prerequisite: Mythology I

Course Description: Mythology II is a cross-cultural study of World Mythology. It will familiarize students with

the various ways in which different cultures have interpreted the world in which they live and have created Mythological explanations for things they could not understand. Greco-Roman, Indian, African, Native American, Norse, Celtic, Asian, Central and South American, and Middle Eastern myths will be studied. **Expectations and Assessment:** Mythology II students will move beyond the ‘survey’ content of Mythology I to advanced applications including comparative analysis, the study of archetypes across cultures and eras, the significance and effect of folklore on emerging cultures and a study of modern popular fiction and mass media derived from World Mythology.

Creative Writing (Grades 9-12)

1171C, 1 Credit

Recommendation: Most recently completed English with a grade of “C” better.

Course Description: This course is conducted as a writer’s workshop for writing poems, short stories, and plays. It is an excellent college preparatory course for students who have an appreciation for writing. **Expectations and Assessment:** Students are expected to complete all writing assignments and to contribute to the literary magazine. Students are assessed on their writing, tests, and projects.

Creative Writing II (Grades 10-12)

1174C, 1 Credit

Prerequisite: Creative Writing I

Course Description: This course is a continuation of Creative Writing I. It is designed to increase skills in writing short fiction and poetry. As the course progresses, the students will work on writing plays and non-fiction. All work will be completed through the use of the writing process and assignments will be given to ensure proper use of grammar, usage, and mechanics. **Expectations and Assessment:** Students in Advanced Creative Writing will also be responsible for designing and publishing a literary magazine. Students will be assessed on their participation and completion of all assignments.

Advanced Composition (Grades 11-12)

1177C, 1 Credit

Prerequisite: Creative Writing I and II with a grade of “C” or better.

Course Description: Students participate in advanced writing workshops with the instructor and other students, and publish fiction, drama, and poetry in the literary magazine.

Film Studies (Grades 11-12)

1446C, 1 Credit

Recommendation: Grade “C” or higher in English 10 and strong writing ability.

Course Description: Students will explore various aspects of the film medium by viewing and analyzing a variety of films from the past century. This course is English based and relies on the advance skills of writing, reading, and critical thinking—all which are vital to this course. Student will learn valuable element of film such as genre, point of view, editing, lighting, cinematography, sound, and framing. **Expectations and Assessment:** Students will learn to develop a critical eye to films through a variety of projects, group activities, writing activities, and analyzing various films. Students will be assessed on all writing, reading, and critical thinking activities.

Journalism I (Grades 9-12) Journalism II (Grades 10-12) WCHS

1200C, 1210C, 1 Credit each

Recommendation: English with a grade of “B” or better.

Course Description: Journalism I introduces students to the world of newspaper reporting. Journalism II reinforces the writing, layout and design of the newspaper, and students will work extensively on producing the school newspaper. **Expectations and Assessment:** During the course, students will be writing extensively across all styles, formats, and variations of the news, completing at least 9 separate written projects. Students will also

develop interviewing skills, learn the basics of photography, and begin to understand and use the methods of designing and layout of a proper newspaper page.

Journalism III (Grades 11-12)

WCHS

1211C, 1 Credit

Prerequisite: “B” average in both Journalism I and Journalism II.

Course Description: Students of Journalism III act as editors and managing editors of the school newspaper. They will give assignments to staff members (Journalism II students), determine deadlines, design newspaper pages, and confer with the advisor (the teacher) about issues of libel, relevance, and newsworthiness. They will write and photograph, but their main duties involve creating the best journalistic product they can and serving as mentors to both staff (JII) and trainees (JI).

Independent Study Project (Grades 11-12)

9200C, 1 Credit

Prerequisite: None

Course Description: This course is an elective course for upper class with a GPA of 3.0 or better that requires the student to design a semester or year-long project. Projects are reviewed by a committee at the beginning of the year, require the supervision of a teacher and parental permission. **Expectation and Assessment:** projects must be designed, produced and submitted according to instructor’s requirements. The final grade is based on mastery of the independent project.

MATHEMATICS

Algebra Readiness

3199, 1 Credit (Elective)

Prerequisite: None

Course Description: The Algebra Readiness curriculum introduces students to skills that are necessary to be successful in future algebra classes. The course will provide a strong foundation for higher level math courses. There will be a focus on simplifying expressions, solving equations, graphing, and other abstract concepts within algebra. The students will use manipulatives, graphing calculators, and other applications to develop concepts and attach meaning to abstract ideas.

Assessment: Students will complete benchmark assessments.

Algebra I (Grades 9-12) SOL

3130C, 1 Credit

Prerequisite: None

Course Description: The Algebra I curriculum introduces students to methods for representing mathematical relationships. Students will develop facility with the concepts and symbols of algebra and how the symbols can be used to record data. Students will explore linear and quadratic patterns and develop the understanding of functions. The students will use manipulatives, graphing calculators, and other applications to develop concepts and attach meaning to abstract ideas. **Expectations:** This course is completed in one semester, which requires students to work at a faster pace than previously expected. **Assessment:** Students will complete benchmark assessments and pass the End of Course SOL Test for verified credit.

21st Century Math (Grade 9-12)

3115C, 1 Credit (Elective)

Prerequisite: Recommendation Only

Course Description: The course is a review of Algebra concepts. Students will complete Growth Assessments which will inform their instruction by indicating areas of success and areas where improvement is needed.

Expectations: Students will work towards successfully passing the Algebra I SOL. After passing the Algebra I SOL, students will work to prepare for success in their next course. **Assessment:** Students will complete Student Growth Assessments and other assessments based on individual need.

Algebra Functions Data Analysis (AFDA) (Grades 9-12)

3134C, 1 credit

Prerequisite: Algebra I

Course Description: This course studies algebraic functions within the context of mathematical models and data analysis. Probability and experimental design will be utilized. Data will be generated from practical sources, including student generated data. **Expectations:** Students are expected to complete a project to analyze data. **Assessment:** Students will take benchmark assessments and a final exam.

Pre-Geometry (Grades 9-12)

3144C, 1 Credit (Elective)

Prerequisite: Algebra I and teacher recommendation.

Course Description: Pre-Geometry is a combination of review of prerequisite skills from Math 6 through Algebra I and an introduction to the foundations of Geometry. Students will learn new topics such as: Geometric vocabulary and notation, the Segment and Angle Addition Postulates, the Pythagorean Theorem and its Converse, Surface Area and Volume of three-dimensional figures, using formulas (Slope, Midpoint, and Distance), using Geometric tools, and applying Algebra skills to Geometry concepts. **Expectations:** Students are expected to utilize manipulatives, proper mathematical notation and vocabulary, and algebra skills to investigate and understand geometric relationships. **Assessments:** Students will take benchmark assessments.

Geometry (Grade 9-12)

SOL

3143C, 1 Credit

Prerequisite: Algebra 1

Course Description: This Geometry curriculum helps students discover, learn, and apply fundamental principles of plane and space geometry. The course covers properties of geometric figures, trigonometry, and reasoning with emphasis on learning orderly, logical arguments. **Expectations:** Students are expected to utilize manipulatives, proper mathematical notation and vocabulary, and algebra skills to investigate and understand geometric relationships. **Assessment:** Students will take benchmark assessments and pass the End of Course SOL test for verified credit.

Geometry Honors (9-12)

SOL

3143A, 1 Credit

Recommendation: Grade of “B” in Algebra I.

Course Description: This course is a rigorous study of plane and space geometry. The course focuses on the development of higher level thinking skills through development of proofs of geometric properties and application of algebraic principles. **Expectations:** This course is recommended for students who plan to take AP level mathematics or pursue college studies in science, mathematics, or technology. **Assessments:** Students will take benchmark assessments and pass the End of Course SOL test for verified credit.

Algebra II (Grades 9-12)

SOL

3135C, 1 Credit

Prerequisite: Algebra I and Geometry

Course Description: This course covers advanced algebraic concepts through the study of functions, equations, inequalities, systems of equations and inequalities, polynomials, rational and radical equations, complex numbers, and sequences and series. **Expectations:** Students will utilize oral and written communication of the language of algebra, logic of procedures, and interpretation of results. **Assessment:** Students will take benchmark assessments and pass the End of Course SOL test for verified credit.

Algebra II Honors (Grades 9-12) SOL**3135A, 1 Credit****Recommendation:** Grade of “B” in Algebra I and Geometry.

Course Description: This course covers advanced algebraic concepts through the study of functions, equations, inequalities, systems of equations and inequalities, polynomials, rational and radical equations, complex numbers, and sequences and series. This course is recommended for students who plan to take AP mathematics courses or pursue college studies in science, technology, engineering or mathematics. **Expectations:** Students will develop a methodical and analytical approach to problem solving, complete a semester project and perform algebraic computations without the use of a calculator. **Assessment:** Students must complete benchmark assessments and pass the End of Course SOL for verified credit.

Trigonometry, Probability and Statistics (Grades 10-12)**3150C, 1 Credit****Prerequisite:** Algebra II

Course Description: Students will study trigonometric definitions, applications, graphs, equations and inequalities, methods of data collections, plan and conduct a survey, and investigate sampling techniques and sources of bias. **Expectations:** Students will utilize oral and written communication, logic of procedures, and interpretation of results. **Assessment:** The student will complete benchmark assessments and a final exam.

Discrete Math (Grades 10-12)**3154C, 1 Credit****Prerequisite:** Algebra II

Course Description: Discrete math is a college preparatory course where students study systematic counting, mathematical models, applying patterns and processes, organizing information, and finding best solutions using algorithms. **Expectations:** Students will utilize oral and written communication, logic of procedures, and interpretation of results. **Assessment:** Students will complete benchmark assessments benchmarks and a final exam.

Math Analysis (Grades 11-12)**3162C, 1 Credit****Recommendation:** Algebra II Honors with a grade of “C” or higher or Algebra II with a grade of “B” or higher.

Course Description: This is a pre-calculus course that encompasses topics which grow out of Algebra. Content includes a study of polynomial, logarithmic, exponential, rational, and trigonometric functions. **Expectations:** Considerable ability and initiative on the part of the student is assumed. **Assessment:** Students must pass benchmark tests and exams to show mastery of the material.

Math Capstone (Grades 11-12)**3136C, 1 credit****Prerequisite:** Algebra I, AFDA

Course Description: This course is a capstone course that focuses on providing students with the instruction to meet or exceed college and career-ready performance expectations. **Expectations:** Students do mathematical tasks, work on inquiry based projects, and solve problems collaboratively while developing decision making skills, critical thinking, and presentation ability. The course provides student with applied and relevant instruction that supports student' attainments of the rigorous College and Career Readiness Performance Expectations.

Preparation AP Calculus AB—Sem. 1 (Grade 12)**AP DUAL ENROLLED****3176H, 1 Credit****Prerequisite:** Math Analysis with a grade of “C” or higher.

Course Description: This is the first semester of AP Calculus, which is a two semester course. This course covers analytic geometry and the calculus of algebraic and transcendental functions including the science of limits, derivatives, differentials, indefinite and definite integrals, methods of integration and power series along with numerous applications. **Expectations and Assessment:** Students have the option of dual enrollment at LFCC. Students will earn five (5) transferable college credits with a grade of “C” or higher. Students are expected to take the course AP test.

AP Calculus AB—Sem. 2 (Grade 12) **AP** **DUAL ENROLLED**
3177H, 1 Credit

Prerequisite: Math Analysis with a grade of “C” or higher

Course Description: This is the second semester of AP Calculus. The course description is the same as listed under Preparation Calculus—Semester 1. Students have the option of dual enrollment at LFCC. Students will earn five (5) transferable college credits with a grade of “C” or higher (tuition fee required). **Expectations:** Students are expected to have a mature and focused approach with good study skills and a strong work ethic. **Assessments:** Students will complete benchmark assessments and take the AP test.

AP Statistics (Grade 11-12) **AP** **DUAL ENROLLED**
3192H, 1 Credit

Prerequisite: Algebra II with a Grade of “B” or higher.

Course Description: AP Statistics is a demanding college level class that requires students to develop and apply high level mathematical reasoning skills. The purpose of this course is to aid people in making decisions based on the analysis of numerical information. Data and numerical arguments abound not only in science and social science but in almost every field of academic inquiry. This course will provide the skills necessary for understanding statistical concepts and for interpreting and communicating the results of statistical analyses. Students have the option for dual enrollment at LFCC. Students will earn six (6) transferrable college credits with a grade of “C” or higher (tuition fee required). **Expectations:** Students are expected to have a mature and focused approach to this class with good study skills and a strong work ethic. **Assessments:** Students will complete benchmark assessments and take the AP test.

MUSIC

Band (Grades 9-12) **WCHS**
9233CY, Intermediate Band – 2 Credits

Prerequisite: None

Band (Grades 9-12) **SHS**
9233CS, Intermediate Band – 1 Credit

Prerequisite: None

Course Description: Band is a performance oriented class which includes both marching band and concert band. Members of the symphonic band must demonstrate a positive attitude toward music, self-discipline, and group cooperation. Performances are the culminating activity resulting from daily class work. **Expectations:** As such, performances are considered to be a test of the learning process. As a member of the band, students will accept the responsibility to be prepared and present at each and every performance. **Assessment:** Performances are used as an evaluation tool. Practice at home is essential for preparation. Instrumentation is limited and students new to the band program will be required to audition. Band is a yearlong class.

Intermediate Chorus (Grades 9-12) **WCHS**
9285CY, 2 Credits

Prerequisite: None

Course Description: The chorus sequences are survey courses in which students explore the basics of music theory

and vocal training through the study and performance of choral literature representing a variety of musical genres and periods. Chorus is open to all high school students, without prerequisite or audition. **Expectations and Assessment:** Students are expected to participate in all activities and assessments given in the classroom. Chorus is a yearlong course which meets every day.

Advanced Choir (Grades 10-12) **WCHS**
9289C, 1 Credit

Prerequisite: By teacher recommendation.

Course Description: This year-long course forms a sequence with the Intermediate Chorus course. This course will enable students to build upon the skills and knowledge acquired at the intermediate level. Students will perform choral works and sight-read music. Course work will also focus on vocal technique, ear-training, and music literacy. Students will be provided with opportunities to participate in local, district, regional, and state events.

Chorus (Grades 9-12) **SHS**
9285CS, Intermediate Chorus, 1 Credit

9297C, Show Choir, 1 Credit

Prerequisite:

Course Description: The chorus sequences are survey courses in which students explore the basics of music theory and vocal training through the study and performance of choral literature representing a variety of musical genres and periods. Mixed Chorus is open to all high school students, without prerequisite or audition. Show Choir, which includes choreography, is by audition. **Expectations and Assessment:** Students are expected to participate in all activities and assessments given in the classroom and at concerts. Chorus is a yearlong course which meets every other day.

Flag Corps (Grades 9-12)
9299C, 1 Credit

Prerequisite: Audition

Course Description: Flag Corps is a first nine week/half credit course that is designed to allow students who have tried out and made the Flag Corps to participate and receive credit for work accomplished with the Marching Band during the fall semester, which rehearses from July until November. **Expectations and Assessment:** Grades are given for participation, effort, and achievement. This is a performance class with emphasis on attendance, participation, and performance.

Guitar Methods (Grades 9-12) **SHS**
9245C, 1 Credit

Prerequisite: None

Course Description: During this course, students will be guided from the basics of playing classical guitar, through finger-plucking fully notated melodies. Throughout the period of instruction, students will have opportunities to vocalize while playing, perform in groups, and create original compositions. In addition, students will learn how to read rhythmic and melodic notation by using basic music theory skills.

Jazz Ensemble (Grades 9-12)
9241C, 1 Credit

Recommendation: Audition and concurrent enrollment in Band

Course Description: Jazz Ensemble is a class which is intended to complement the Band program. Membership is by audition and requires that the student be enrolled in symphonic band. Exceptions will be made for students who do not play an instrument used in the advanced band but wish to play in the jazz ensemble (piano, guitar, bass). Jazz ensemble is a performance oriented class which uses the preparation and performance of the various styles of jazz literature as the tool for jazz study. Instrumentation is limited. **Expectations and Assessment:** **Expectations and Assessment:** Grades are given for participation, effort, and achievement. This is a performance class with emphasis

on attendance, participation, and performance.

Music Appreciation (Grades 11-12)

WCHS

DUAL ENROLLED

9222C, 1 Credit

Prerequisite: None

Course Description: This Course emphasizes the development of listening skills with which the student may perceive and understand fundamental music elements as they are heard in various musical styles. The course acquaints the student with major composers and style characteristics of music of the Middle Ages, Renaissance, Baroque, Classical, Romantic, and Contemporary periods.

Music Theory (Grades 9-12)

9225C, 1 Credit

Prerequisite: None

Course Description: Music Theory is an elective course that reinforces the fundamentals of music theory, including elements of music, rhythm, melody, and harmony, while introducing new skills of diction, sight singing, and harmonic analysis. **Expectations and Assessment:** Instruction will be enhanced through the use of computer software, singing, and piano keyboards. Music Theory is taught as an Independent Study at WCHS.

Piano Lab (Grades 9-12)

9255C, 1 Credit

Prerequisite: None

Course Description: This course is designed to teach the basics of piano performance. **Expectations:** Students are to have little to no piano experience. **Assessment:** All students will have weekly performance goals. Enrollment is limited due to the availability of instruments.

Piano Lab 2 (Grades 9-12)

9296C, 1 Credit

Prerequisite: Students must complete Piano Lab 1 successfully with a grade of B or higher and be recommended by the teacher, or, on a case by case basis, may show proof that they have prior knowledge of the course material for Piano Lab 1, be evaluated and recommended by the teacher of the course.

Course Description: This course forms a sequence with the Piano Lab 1 course. Students will continue learning piano techniques, continue their study of music theory, and expand their repertoire. Students will be expected to incorporate music theory concepts in composing and performing their own music. They will also perform the music of many major composers.

Class Percussion (Grades 9-12)

9250C, 1 Credit

Prerequisite: None

Course Description: This is not a Drum Set Class. Class Percussion is designed to meet the unique needs of the high school percussion student. **Expectations:** Emphasis is placed on mastering all concert percussion techniques as well as marching techniques. Those who are not in Band must receive permission to enroll in this course from the instructor. Enrollment is limited due to the availability of instruments. **Assessment:** Students are assessed regularly on their mastery of the course. Grades may consist of written and performance-based tests.

General Music (Grades 9-12)

SHS

9214C, 1 Credit

Prerequisite: None

Course Description: This course is designed to acquaint students with the elements of music and the primary musical periods of progression from ancient Greece through modern music of today. Students will have a brief

overview of the major composers and their music through class lectures, listening to musical examples in class, reading the text, listening to musical examples provided on recordings, actively engaging in class discussions, attending live concerts of suggested performances, and completing research papers and/or oral presentations pertinent to the course material.

PHOTOGRAPHY

Introduction to Photography (Grade 9)

WCHS

9199C, 1 Credit

Prerequisite: None

Course Description: This course in Digital Photography is designed to develop students' skills in pixel based photographic design and printing. **Expectations:** Students are expected to become proficient at the technical aspect of photographing with a digital camera and working with those images including digital editing, saving, sizing, posting and printing of those images. Students will also learn to develop the habit of looking closely at the visible world around them in order to represent it in terms of aesthetics and beauty. **Assessment:** Assessment will be based on mastery of technique and portfolio development.

Photography I (Grades 9-12)

DUAL ENROLLED OPTION FOR WCHS ONLY

9190C, 1 credit

Prerequisite: None

Course Description: Black and White photography is an introduction to photography as a visual art. Units of study will consist of the history of photography, the elements of design and composition, camera and print controls and composition. It will involve use of a manual camera developing film and making enlargements in the darkroom. It is a combination lecture/studio class. Students are recommended to have their own 35mm manual SLR camera. This is recommended but not mandatory. Dual enrollment is an option at WCHS. **Expectations:** Students will master the art of exposure and development as well as learning to create photographic prints. **Assessment:** Assessment will be based on mastery of technique and portfolio development.

Photography II (Grades 10-12)

DUAL ENROLLED OPTION FOR WCHS ONLY

9191C, 1 Credit

Prerequisite: Photography I

Course Description: Photography II is an advanced study of photography as a visual art. Students further their understanding of the camera, composition and solving photographic problem solving. Advanced and experimental techniques in processing and printing are explored. **Expectations:** Students learn and practice the Zone System of Photography. Topics include portraiture, and low light photography and use of a tripod. **Assessment:** Assessment will be based on mastery of technique and portfolio development. Dual enrollment is an option at WCHS.

Photography III (Grades 11-12)

DUAL ENROLLED OPTION FOR WCHS ONLY

9192C, 1 Credit

Prerequisite: Photography II

Course Description: The seminar class focuses on advanced problems in the medium of photography and on the application of the Zone System of Photography. This course not only concentrates on advanced and alternative techniques and processes but also leads to the development of a professional portfolio. It includes the mixing of chemicals and the knowledge to set up and run a darkroom, job shadowing, independent study and the development of a photographic vision as demonstrated by the end of year portfolio. **Expectations:** Students will develop a photographic style and create a portfolio. **Assessment:** Students are assessed on their portfolio. Dual enrollment option at WCHS.

Photography IV Honors (Grade 12)
9198A, 1 Credit

DUAL ENROLLED OPTION FOR WCHS ONLY

Prerequisite: Photography III

Course Description: This course emphasizes advanced portfolio development. Students will explore archival considerations. **Expectations:** Students are expected to be able to work independently as well as with their instructor to complete an advanced portfolio. **Assessment:** Students are assessed on the completion and mastery of the portfolio requirement. Dual enrollment option at WCHS. Skyline High School students would take this course as AP Studio Art: 2-D.

Photojournalism I (Grades 9-12)

1215C, 1 Credit

Prerequisite: None

Course Description: This course trains students in layout design, typography, copy writing, art work, photography, advertising and sales. **Expectations:** The students will produce the high school's yearbook. **Assessment:** Assessment is determined by the completion of assignments necessary to create the yearbook.

Photojournalism II (Grades 10-12)

1216C, 1 Credit

Prerequisite: Photojournalism I

Course Description: This course trains students in layout design, typography, copy writing, art work, photography, advertising and sales. **Expectations:** The students will produce the high school's yearbook. **Assessment:** Assessment is determined by the completion of assignments necessary to create the yearbook.

Photojournalism III (Grades 11-12)

SHS

1217C, 1 Credit

Prerequisite: Photojournalism II

Course Description: This course trains students in layout design, typography, copy writing, art work, photography, advertising and sales. **Expectations:** The students will produce the high school's yearbook. **Assessment:** Assessment is determined by the completion of assignments necessary to create the yearbook.

SCIENCE

Environmental Science (Grades 9-12)

4270C, 1 Credit

Prerequisite: None

Course Description: The purpose of the new Environmental Science course is to provide foundational content that will prepare students for either Earth Science I or Biology I while also including aspects of other disciplines such as civic engagement, mathematics, and engineering.

Biology I (Grades 10-12)

SOL

4310C, 1 Credit

Prerequisite: None

Course Description: This course offers a detailed study of biological science. Understanding of scientific method, macromolecules, cells and their processes, evolution, ecology, and kingdoms of life are the main focus of the course. Students will develop critical thinking skills, including the ability to analyze, synthesize, and apply scientific

information. Laboratory skills and higher level thinking skills are stressed. **Expectations and Assessment:** Students must complete assignments such as tests, benchmarks and projects and pass the SOL test for verified credit.

Biology II / Ecology (Grades 11-12)

4340C, 1 Credit

Prerequisite: Earth Science, Environmental Science, or Biology I

Course Description: Study of organisms in their environment and the impact of humans in the biosphere. Topics to be studied include populations, ecosystems, biomes, energy resources and development of self-sustainable practices. Students will conduct research into endangered species, biomes, and alternative energy sources. This course may be used as a lab science credit. **Expectations and Assessment:** It is expected that students will successfully complete assigned projects, tests and benchmarks for this course.

Earth Science (Grades 11-12) SOL

4210C, 1 Credit

Prerequisite: Physical Science 8

Course Description: Earth Science is a laboratory based class that investigates topics which drive and affect Earth as a system. Topics of main focus include geology, astronomy, meteorology, oceanography, energy resources, plate tectonics, and the scientific method. **Expectations:** Conscious effort is expected of students to complete the End of Course SOL test and mandatory assignments for successful completion of course. **Assessment:** Students are assessed on unit exams, laboratories, class work, and homework. Attendance is imperative. Students must pass the SOL test for verified credit.

Earth Science II: Advanced Survey of Earth Science Topics - Meteorology (Grades 11-12)

4220C, 1 Credit

Prerequisite: Earth Science

Course Description: This course examines the properties of the earth's atmosphere. Topics include atmospheric layering, changing pressures, winds, water vapor, air masses, fronts temperature changes and weather forecasting. **Expectations:** Students are expected to complete labs on the various aspects of the atmosphere. **Assessments:** Tests, benchmarks and projects are used as assessments.

Earth Science II: Astronomy (Grade 11-12)

4260C, 1 Credit

Prerequisite: Earth Science and completion of or concurrently taking Geometry.

Course Description: This course is an introduction to modern astronomy. In this course students will study the origins of astronomy and will study how mankind knows what is known about the universe. Students will explore the history of modern astronomy, the current model of the universe, current research in astronomy, the methods used by astronomers, and the history of space travel. Students will learn the basic physics, chemistry, and geology that is a crucial part of the field of astronomy. **Expectations:** Students must be ready to engage in abstract thinking to be successful in this course. **Assessments:** Students will complete all test, projects and benchmarks.

Anatomy and Physiology (Grades 11-12)

DUAL ENROLLED AT SHS

4330C, 1 Credit

Prerequisite: Biology I

Course Description: This course offers detailed and rigorous study of the formal structure and function of the human body. Topics include anatomical terms, cells, chemical processes, homeostasis and the eleven body systems. **Expectations:** Assignments such as tests, benchmarks, and projects must be completed with conscious effort. **Assessment:** Four benchmarks, unit tests and several projects must be completed and scores must meet required pass rates to show mastery of the material.

AP Environmental Science (Grades 10-12)

AP SHS DUAL ENROLLED AT SHS

4270H, 8 Credits

Prerequisite: Earth Science or Environmental Science and Biology I with a grade of “C” or better.

Course Description: This course provides students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving and/or preventing them. **Expectations and Assessment:** Students will participate in and complete labs, field experiments, tests and projects to gain a complete understanding of the subject. Students are expected to take the End of Course AP Exam.

Chemistry I (Grades 10-12)

SOL

4410C, 1 Credit

Prerequisite: Completion of or concurrently taking Algebra II.

Course Description: Chemistry is a rigorous traditional chemistry course. Students study atomic structure and its effects on the reactivity of the elements of the periodic table and the dynamic nature of molecules. Topics are presented using a combination of lectures, readings, group activities, labs, and on-line resources. Students explore chemical principles through inquiry based activities, experimentation, and quantitative analysis. Topics emphasize connections and the building of skills through a thematic approach. **Expectations:** Students are expected to attend and participate in class regularly. Major assignments (tests, quizzes, and labs) must be completed in a timely manner. **Assessment:** In addition to passing the classroom portion of the course, students must take and pass the End of Course SOL test to earn verified credit for the course.

Physics (Grades 10-12)

4510C, 1 Credit

Prerequisite: Completion of or concurrently taking Algebra II.

Course Description: The goals for Physics are to introduce the student to a quality conceptual study of modern physics, to develop skills in quantitative problem solving, and to communicate their results from laboratory exercises and class demonstrations in a scientific format of a lab report. Topics include: Kinematics, forces and Newton’s Laws of Motion, energy, momentum, waves, sound, light, and electricity and magnetism. As a preparatory course for college physics, this course is designed for a mathematically and scientifically oriented student. **Expectations and Assessment:** There is no End of Course SOL test, but students must successfully pass benchmark tests and comprehensive final exam to show their mastery of the material.

AP Physics (Grades 11 – 12)

AP

4570H, 1 Credit

Prerequisite: Algebra II with a grade of “B” or better.

Course Description: AP Physics 1 covers topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple electronic circuits. The course implements inquiry-based learning concepts which are intended to help students develop scientific critical thinking and reasoning skills. Overall, AP® Physics is defined on a comprehensive set of Curricular Requirements and a hierarchical structure of Big Ideas, Enduring Understanding, Essential Knowledge, Science Practices and Learning Objectives, as shown in the following figure.

SOCIAL STUDIES

Modern World History and Geography (Grades 9-10)

SOL

2342C, 1 Credit

Prerequisite: None

*Please note that if you are seeking an Advanced Diploma and wish to take AP European History during 10th grade, you must take Ancient World History and Geography during 9th grade. Students who take Modern World History and Geography during 9th grade will NOT be eligible to take AP European History during

10th grade.

Course Description: This course examines the people, ideas, events, and geo-political development of the modern world from 1500 C.E. to the present. Topics of study will include: the evolution of nations throughout the world; the impact of scientific and technological revolutions on economic conditions; social and political philosophies that influenced world leaders and propelled wars; and connections between the past and the contemporary issues that define today's global landscape. **Expectations:** Students will improve historical understanding and social science skills by engaging in research, analysis, evaluation, and decision making. **Assessment:** Students must complete the required assessments aligned to the standards of learning to earn verified credit toward graduation.

Ancient World History and Geography AD (Grades 9-10)

SOL

2215C, 1 Credit

Recommendation: Students seeking an Advanced Diploma should consider taking this course during their 9th grade year to follow with either Modern World History or AP European History during their 10th grade year.

***Please note that if you are seeking an Advanced Diploma and wish to take AP European History during 10th grade, you must take Ancient World History and Geography during 9th grade. Students who take Modern World History and Geography during 9th grade will NOT be eligible to take AP European History during 10th grade.**

Course Description: This course examines the historical development of people, places, and patterns of life from ancient times until 1500 C.E. Topics of study will include: human interaction and adaptation to their environment; the rise of civilizations and associated political, economic, and cultural characteristics; the lasting influences of classical civilizations and major world religions; the emergence of regional interaction through trade; and the origin of modern Western European nation-states. **Expectations:** Students will continue to improve historical understanding and social science skills by engaging in research, analysis, evaluation, and decision making.

Assessment: Students must complete the required assessments aligned to the standards of learning to earn verified credit toward graduation.

AP European History (Grades 10-12)

AP SHS SOL

2399H, 1 Credit

Recommendation: Students seeking an Advanced Diploma should consider taking this course during their 10th grade year. Please note that if you are seeking an Advanced Diploma and wish to take AP European History during 10th grade, you must take Ancient World History and Geography during 9th grade. Students who take Modern World History and Geography during 9th grade will NOT be eligible to take AP European History during 10th grade.

Course Description: This course is designed for students who excel in history and who want to expand their understanding of the cultural, economic, political and social developments that are instrumental in shaping the world in which they live. Students will study some of the principle themes in modern European history, analyze historical evidence and historical interpretation and express in writing how these events affect the development of contemporary institutions, the role in present-day society and politics, and the developments of movements that affect the world we live in today. **Expectations:** Students are expected to complete assignments and projects outside of class as well as in class. Outside reading and writing are essential learning the course content.

Assessment: Students must complete the required assessments aligned to the standards of learning to earn verified credit toward graduation and are expected to take the AP European History exam.

U.S. and Virginia History (Grade 11)

SOL

2360C, 1 Credit

Prerequisite: None

Course Description: This is a survey of the history of Virginia and the U.S. 1492 to the contemporary era. Students are expected to interpret primary sources from historical periods; understand chronological events; recognize

historical figures; comprehend causes and effects, and analyze events for their historical ramifications. **Expectations and Assessments:** Students must complete the required assessments aligned to the standards of learning to earn verified credit toward graduation.

U.S. and Virginia History Honors (Grades 11)

SOL

2360A, 1 credit

Prerequisite: None

Course Description: This is an intense study of Virginia and U.S. history 1492 to the contemporary era. Students are expected to interpret primary sources from historical periods; understand chronological events; recognize historical figures; comprehend causes and effects, and analyze events for their economic, social, and political affiliations. **Expectations and Assessment:** Students must complete the required assessments aligned to the standards of learning to earn verified credit toward graduation.

AP United States History (Grade 11)

AP

SOL

DUAL ENROLLED SHS ONLY

2319H, 1 Credit

Recommendation: Grade of “C” or better in Ancient World History or Modern World History.

Course Description: This course is a survey of U.S. and Virginia history equivalent to the demands of an introductory college course. This course has intensive reading and writing requirements. Placement into the course will be determined by teacher recommendation and the guidance department. Students have the option of dual enrollment through Lord Fairfax Community College. Students will earn 6 transferable credits with a grade of “C” or higher. **Expectations and Assessment:** Students must complete the required assessments aligned to the standards of learning to earn verified credit toward graduation and are expected to take the AP United States History exam.

History of World Civilization (Grades 11-12)

SHS

DUAL ENROLLED SHS ONLY

4060C, 1 credit (Elective)

Recommendation: Ancient World History and Modern World History

Course Description: This course surveys the history of major world civilizations from the ancient period to about the 16th century. It will present a definition of "civilization" along with the governing principles, characteristics and trends in the development of the major civilizations of Asia, Africa, Latin America and Europe, emphasizing social, economic, cultural, political and geographical factors. While the course will examine the diversity of world cultures, emphasis will be placed on the common heritage of humanity. Finally this course will introduce the reasons/conditions that made possible the rise of the Christian West to world dominance in the modern era.

U.S. and Virginia Government (Grade 12)

2440C, 1 credit

Prerequisite: None

Course Description: This course is intended to develop an understanding of the philosophical and constitutional basis of American and Virginia Government and the importance of the individual in a free society. **Expectations and Assessment:** Students are expected to complete benchmarks and exams to earn credit in the course.

U.S. and Virginia Government Honors (Grade 12)

2440A, 1 credit

Prerequisite: None

Course Description: Students will be expected to synthesize critical information related to the formation, organization, and activities of all governmental bodies (Federal, State, and Local). Historical, contemporary, and future problems and issues will be discussed and debated in class. **Expectation and Assessment:** Oral presentations, written analysis (including research papers) and final exam and class participation are required in this advance course.

AP Government and Politics United States (Grade 12)

AP

2445H, 1 Credit

Recommendation: Grade of “C” or better in US History.

Course Description: This course is a critical analysis of government and politics in the United States. Current event issues involving state, national and world problems are also emphasized. College credits (6) (dual enrollment with Lord Fairfax Community College) may be earned by the student. **Expectation and Assessment:** Oral presentations (individual and groups) and written analysis (primarily essays) will be required in class. Students are expected to take the Advance Placement test at the completion of the course.

Psychology I (Grades 11-12) SHS

2900C, 1 Credit

Prerequisite: None

Course Description: This introductory course helps students to get involved in solving their own problems in daily life. Students will be encouraged to discuss topics, such as learning theory, philosophy, abnormal, developmental, social, and criminal psychology. This course encourages students to look at themselves, and reinforce positive self-esteem images while using a “hands-on” approach. **Expectations and Assessment:** Students are expected to participate in all class activities and to complete all tests, projects, and exams to earn credit in the class.

AP Psychology (Grades 11-12) AP

2902H, 1 Credit

Recommendation: Psychology I. Students should be able to read a college level text book and write grammatically correct.

Course Description: Advance Placement Psychology is equivalent to a college Introduction to Psychology course. This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. **Expectation, Assignments, and Assessments:** The curriculum for this course places a heavy emphasis on essential reading, writing assignments, independent projects, and frequent tests inside and outside of the classroom which are intended to prepare students for the AP Exam.

Sociology (Grades 10-12)

WCHS

2500C, 1 Credit

Prerequisite: None

Course Description: Sociology is the study of society with a social emphasis on values, beliefs, stratification, mobility, class, deviance, law, attitudes, and global processes. Social institutions such as prisons, mental hospitals, and communities will be investigated and analyzed in this course. Activities including debates, discussions, case studies, and projects will be utilized to assess student achievement. **Expectation and Assessment:** Students are expected to participate in class and to complete required tests, benchmarks, and projects.

THEATRE

Theatre I/ Introduction to Theatre (Grades 9-12)

1410C, 1 Credit

Prerequisite: None

Course Description: Theatre I is a basic skills course. Specific studies will include theatre vocabulary, theatre history, fundamentals of acting, beginning technical theatre, improvisation, public speaking, playwriting, theatre careers, monologue and scene study, blocking notation and rehearsal rules and etiquette. **Expectations:** Students will be expected to participate fully in all classroom activities and to perform in a course-end class production which will take place outside of regular school hours. **Assessment:** Assessment will be both written and performance based.

Theatre II (Grades 10-12)**1420C, 1 Credit****Prerequisite:** Theatre I

Course Description: Theatre II is a further exploration of the skills learned in Theatre I with an emphasis on developing the verbal and physical communication skills needed for advanced acting. **Expectations:** Students will strengthen concentration, improvisation, and script analysis skills by close reading of monologue, scenes and plays. In addition students will complete basic directing and theatre design projects. Students will also peer critique individual class performances as well as monologue, scenes and plays. In addition students will complete basic directing and theatre design projects. Students will also peer critique individual class performances as well as evaluate and study professional actors through television, films, and plays seen in and out of class. **Assessment:** Assessment will be both written and performance based.

Theatre III Advanced Acting (Grades 11-12)**1430C, 1 Credit****Prerequisite:** Theatre II

Course Description: Theatre III is a college/professional preparatory course intended to assist advanced theatre students in refining their specific goals for both career and further study. Students will analyze, compare and contrast theatrical genres, performance techniques, disciplines, resources and personal strengths and interests. Preparation for college and professional auditions is a specific focus. **Expectations:** Students will complete a series of directing and acting projects including monologue, scene study, script analysis, characterization, period speech and movement and will be expected to perform in a course-end class production which will take place outside of regular school hours. **Assessment:** Assessment will be both written and performance based.

Advanced Theatre Studies (Grade 12)**1440C, 1 Credit****Prerequisite:** Theatre III

Course Description: This course is offered as an Independent study. Students will be expected to perform and study a broad range of skills related to theatre.

Technical Theatre (Grades 9- 12)**WCHS****1435C, 1 credit****Prerequisite:** none

Course Description: The purpose of the class is to give students a thorough background of knowledge on the many aspects of technical theatre, thereby preparing them to work in theatrical productions and eventually to move into the creative/design aspects of technical theater. This is an active, hands-on class which can and should be fun and engaging for all students who come with an open mind and desire to learn. It is also a class in which safety is a chief concern, so students must be mindful of the well-being of their classmates and themselves at all times. Students will learn about set construction, sound, lights, makeup, costumes, and stage management. At the end of the course, the instructor will determine which students have shown that they are self-motivate, responsible, and proficient enough to move into technical theatre II.



CAREER AND TECHNICAL EDUCATION

All students are encouraged to seek Career and Technical Education (CTE) courses that provide a foundation for their career plans and interests. Industry certification exams are available in many CTE courses. Students should contact their CTE teacher or counselors for more details. Attendance, self-discipline, and safety awareness are vital to the successful enrollment and completion of CTE courses. All classes will not be offered at all schools due to enrollment and availability.

While students pursuing an Advanced Studies Diploma may enhance their career plans by enrolling in CTE courses, students pursuing a Standard Diploma MUST complete two sequential electives or a CTE concentration and pass an industry certification. Sequential electives MUST be selected from the same discipline or subject area to qualify as sequential electives, i.e. both courses from Agriculture, or both from Business, or both from Marketing, or both from Health and Medical Sciences, etc. Please refer to the VDOE sequence requirements at <http://www.cteresource.org/apg/introduction>.

CTE INDUSTRY CREDENTIAL REQUIREMENT FOR STANDARD DIPLOMA

All students receiving a Standard Diploma are required to earn a career and technical education credential that has been approved by the Virginia Board of Education that could include, but not be limited to, the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness skills assessment.

The chart below shows which CTE Industry Credential is offered in each CTE course offered in Warren County Public Schools. All of these assessments are on the state-approved list of industry credentials.

WCPS CTE Course Title	Course	CTE Industry Credential Offered
Accounting	6320	CTECS Workplace Readiness
Advanced Accounting	6321	CP3 or CTECS Workplace Readiness
Advanced Computer Information Systems	6613	MOS or CTECS Workplace Readiness
Advanced Marketing	8130	W!SE or CTECS Workplace Readiness
Advanced Programming	6641	CTECS Workplace Readiness
Advanced Sports, Entertainment and Recreational Marketing	8177	W!SE or CTECS Workplace Readiness
Automotive Technology I	8506	ASE or CTECS Workplace Readiness
Automotive Technology II	8507	ASE or CTECS Workplace Readiness
Biomedical Innovations (PLTW)	8382	PLTW end of course test
Business Law	6131	W!SE or CTECS Workplace Readiness
Business Management	6135	W!SE or CTECS Workplace Readiness
Carpentry I	8601	CTECS Workplace Readiness or

		SkillsUSA Carpentry Examination
Carpentry II	8602	CTECS Workplace Readiness or SkillsUSA Carpentry Examination
Carpentry III	8603	CTECS Workplace Readiness or SkillsUSA Carpentry Examination
Computer Information Systems	6612	MOS or CP3
Computer Integrated Manufacturing (PLTW)	8442	PLTW end of course test
Culinary Arts I	8275	NRF-ServSafe
Culinary Arts II	8276	END of Course ACF, if applicable
Cybersecurity Fundamentals	6302	CTECS Workplace Readiness or other (TBD)
Digital Electronics (PLTW)	8440	PLTW end of course test
Digital Visualization	8459	CTECS Workplace Readiness

WCPS CTE Course Title	Course	CTE Industry Credential Offered
Intro to Early Childhood Education	8284	CTECS Workplace Readiness
Early Childhood Education I	8285	CTECS Workplace Readiness
Economics and Personal Finance	6120	WISE Financial Literacy
Electricity I	8533	CTECS Workplace Readiness or SkillsUSA Residential Wiring Examination
Electricity II	8534	CTECS Workplace Readiness or SkillsUSA Residential Wiring Examination
Electricity III	8535	CTECS Workplace Readiness or SkillsUSA Residential Wiring Examination
Emergency Medical Technician I & II	8333/ 8334	CTECS Workplace Readiness or EMT
Engineering Design and Development (PLTW)	8443	PLTW end of course test
Human Body Systems (PLTW)	8380	PLTW end of course test
Imaging Technology	8455	CTECS Workplace Readiness
Introduction to Engineering Design (PLTW)	8439	PLTW end of course test
Introduction to Health and Medical Sciences	8302	CTECS Workplace Readiness
Marketing	8120	WISE or CTECS Workplace Readiness
Medical Assistant I	8345	NOCTI-Medical Asst.

Medical Interventions (PLTW)	8381	PLTW end of course test
Nurse Aide I & II	8360/ 8362	CNA
Nutrition and Wellness	8229	CTECS Workplace Readiness
Principles of Biomedical Sciences (PLTW)	8379	PLTW end of course test
Principles of Business and Marketing	6115	CTECS Workplace Readiness
Principles of Engineering (PLTW)	8441	PLTW end of course test
Programming	6640	CTECS Workplace Readiness
Sports, Entertainment and Recreational Marketing	8175	W!SE or CTECS Workplace Readiness
Teachers for Tomorrow (FACS)	9062	Para Pro
Technical Drawing and Design	8435	CTECS Workplace Readiness

Signing Bonus for Virginia Teach for Tomorrow: Warren County Public Schools students that return to WCPS and are hired to teach will be given a \$3,000 first year bonus. (Students eligibility begins with the graduating class of 2019).

To be eligible for this bonus:

- Complete Virginia Teachers for Tomorrow I and II at WCHS or SHS with a 3.0.
- Pass the Para-pro credentialing test while enrolled as a student at WCHS or SHS.
- Be hired to teach at one of the WCPS Schools.

Course Name	Credit	Grade	Prerequisite	Page
<u>ART</u>				
Art - 6 exploratory		6		19
Art- 7 semester		7		20
Art - 8		8		20
Art I: Foundations	1	9-12		29
Art II: Intermediate	1	10-12	Art I "C"	29
Art II: 3-D Art	1	10-12	Art I or Craft with Recommendation	29
Art III: Advanced Art I	1	11-12	Portfolio/Recommendation	29
Art IV: Advanced Art II	1	11-12	Portfolio/Recommendation	30
Crafts as Art	1	9-12		30
Graphic Arts I	1	9-12		30
Graphic Arts II	1	10-12	Graphic Arts I	30
AP Studio 2-D Art	1	11-12	Art I, II, III, "B"	30

FOREIGN LANGUAGES

Spanish Exploratory - semester		6&7		22
French I	1	9-12		42
French II	1	9-12		43
French III	1	10-12		43
French IV & V Honors	1	11-12		43
Latin I	1	9-12		43
Latin II	1	9-12		43
Latin III	1	10-12		44
Latin IV & V Honors	1	11-12		44
AP Latin	1	12		44
Spanish I	1	8-12		44
Spanish II	1	9-12		45
Spanish III	1	10-12		45
Spanish IV & V Honors	1	11-12		45

HEALTH & PHYSICAL EDUCATION

Health and PE 6		6		23
Health and PE 7		7		23
Health and PE 8		8		23
Adaptive Physical Education		6-8		23
Health and PE 9	1	9		46
PE 10 / Strength Training/Driver Education	1	10		46
Lady Hawks Fitness	1	11-12		47
Lady Wildcats Fitness	1	10-12		47
Advanced Physical Education I, II	1	11-12		47
PE 10/ Health/ Driver Education	1	10-12		45
Driver Education/ Fitness	1	11-12		46
Adaptive Physical Education	1	8-12		47
Sports Medicine / Athletic Training I	1	9-12		47
Sports Medicine / Athletic Training II	1	10-12	Sports Medicine I	47
Basic Athletic Strength and Conditioning	1	10-12		47
Advanced Athletic Strength and Conditioning	1	11-12		47

LANGUAGE ARTS

English 6		6		23
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English 7		7		23
English 8		8		23
Journalism (Semester)		7,8		23
English 9	1	9		48
English 10	1	10	English 9	48
English 10 - Honors	1	10	English 9 – Grade of “C” or better	48
English 11	1	11		48
English 11 - Honors	1	11	English 10 – Grade of “C” or better	48
English 12	1	12		49
English 12 - Honors	1	12	Recommendation	49
AP Language and Composition – Dual Enrolled Option	1	11		49
AP Literature and Composition – Dual Enrolled Option	1	12	Please note, to Dual Enroll in AP Literature and Composition a student must have successfully completed AP Language and Composition (Required by Lord Fairfax Community College)	49
Mythology I	1	9-12		49
Mythology II	1	10-12	Mythology I	49
Creative Writing I	1	9-12		50
Creative Writing II	1	10-12	Creative Writing I	50
Advanced Composition	1	11-12	Creative Writing I & 2	50
Film Studies	1	11-12		50
Journalism I / II	1	9-12		50
Independent Study Project	1	11-12		51

MATHEMATICS

Math 6		6		24
Math 7		7		25
Math 8		8		25
Algebra I - Middle School	1	8	Math 7, School Recommendation	25
21 st Century Math	0	8	Recommendation Only	51
Algebra Readiness	0	9		51
Algebra I – High School	1	9-12		51
Pre-Geometry	0	9-10	Alg I and Teacher recommendation	52
Geometry	1	9-12	Algebra I	52
Geometry Honors	1	9-12	Algebra I “B”	52
Algebra, Functions & Data Analysis	1	10-12	Algebra I,	52
Algebra II	1	9-12	Algebra I & Geometry	52
Algebra II – Honors	1	9-12	Algebra I and Geometry “B”	53
Trigonometry, Probability and Statistics	1	10-12	Algebra II	53
Discrete Math	1	10-12	Algebra II	53
Math Analysis	1	11-12	Algebra II Honors “C”	54
Preparation AP Calculus AB Sem. 1	1	12	Math Analysis “C” or higher	53
AP Calculus AB – Dual enroll option	1	12	Math Analysis “C”	53
AP Statistics – Dual enroll option	1	11-12	Algebra II “C”	54

MUSIC

Chorus		6		26
Chorus		7		26
Chorus		8		26
Beginning Band		6-7		26
Concert Band		7		27
Band		8		27
WCHS Chorus / Intermediate	2	9-12		54
SHS Chorus / Intermediate	1	9-12		54
Band Intermediate	WC 2 SHS 1	9-12		54
Flag Corps	0.5	9-12	Audition only	55
Jazz Ensemble	1	9-12		55
Music Theory	1	11-12		56
Guitar Methods	1	9-12		55
Piano Lab 1, 2	1	9-12		56
Class Percussion	1	9-12		56
General Music	1	9-12		56

PHOTOGRAPHY

Introduction to Photography	1	9		57
Photography I – Dual enroll option	1	9-12		57
Photography II – Dual enroll option	1	10-12	Photography I	57
Photography III - dual enroll option	1	11-12	Photography I & II	57
Photography IV - dual enroll option	1	12	Photography III	58
Photojournalism I, II, III	1	9-12		58

SCIENCE

Science		6		27
Life Science		7		27
Physical Science		8		27
Earth Science	1	9		59
Earth Science II: Advanced Survey of Earth Science Topics - Meteorology	1	11-12		59
Earth Science II: Astronomy	1	11-12		59
Environmental Science	1	11-12		58
Biology I	1	10-12		58
Biology II / Ecology	1	11-12		59
AP Biology	1	11-12	Biology I , Chemistry (or taking concurrently	59
Chemistry I	1	10-12	Enrolled in or passed Algebra II	60
Physics	1	11-12	Algebra II or concurrently enrolled	60
AP Physics	1	11-12	Algebra II “B”	60
Meteorology	1	11-12	Earth Science	59
Anatomy & Physiology	1	11-12	Biology I	59
Astronomy	1	10-12	Earth Science and Geometry or currently enrolled in Geometry	59
AP Environmental Science (SHS) Dual enroll opt.	8	10-12	Earth Science & Biology “C”	59

SOCIAL STUDIES

US History to 1865		6		27
US History 1865 to Present		7		27
Civics and Economics		8		28
Modern World History and Geography	1	9-10		60
Ancient World History and Geography	1	10-12	Students seeking an Advanced Diploma or with an interest in Ancient History	61
AP European History	1	10	Students seeking an advanced diploma should consider taking this course during 10 th grade	61
US & Virginia History	1	11		61
US & Virginia History Honors	1	11		62
AP US History Dual enroll opt.	1	11		62
US & Virginia Government	1	12		62
US & Virginia Government Honors	1	12		62
AP Government & Politics United States	1	12		62
Psychology I	1	11-12		63
AP Psychology	1	11-12		63
Sociology	1	10-12		63

THEATRE

Theatre I / Introduction to Theatre	1	9-12		63
Theatre II	1	10-12	Theater I	64
Theatre III Advanced Acting	1	11-12	Theatre II	64
Advanced Theatre Studies	1	12	Theatre III	64
Technical Theatre	1	11-12		64

AGRICULTURAL EDUCATION

Intro to Agriscience	0	6		19
Agriscience & Technology	0	7		19
Agriscience & Technology	0	8		19
Introduction to Animal Systems	1	10-12		31
Small Animal Care	1	10-12	Intro to animal systems or Applied Agriculture	31
Applied Agricultural Concepts	1	9-12		31
Introduction to Plant Systems	1	9-12		31
Horticulture Sciences	1	10-12	Intro to Plant Systems	31

BUSINESS & INFORMATION

TECHNOLOGY

Keyboarding Middle		6		20
Computer Solutions		7		20
Keyboarding Exploratory		8		20
Entrepreneurship Education	1	9-12		32
Economics and Personal Finance	1	9-12		32
Computer Information Systems	1	9-11	Keyboarding	32
Advanced Computer Information Systems	1	10-12	CIS	32
Medical Systems Administration	1	11-12	CIS and Keyboarding	33
Design, Multimedia & Web Technologies	1	10-12	CIS	33
Advanced Design, Multimedia & Web Technologies	1	11-12	CIS, DMWT	33
Accounting	1	10-12		33
Advanced Accounting	1	11-12	Accounting "C"	33
Programming	1	10-12	Keyboarding courses/approval	34

FAMILY & CONSUMER SCIENCE

Family & Consumer Science Exploratory I		6		20
Family & Consumer Science Exploratory II		7		21
Family & Consumer Science Exploratory III		8		21
Virginia Teachers for Tomorrow I & II- Dual enroll Opt.	1	11-12	2.7 GPA VA requirement	34
Individual Development	1	9-12		34
Introduction to Early Childhood Education	2	9-12		34
Introduction to Hospitality, Tourism and Recreation	2	9-12		34
Culinary Arts I	2	11-12		35
Culinary Arts II	3	12	Culinary Arts I	35
Nutrition & Wellness	1	9-12		35

MARKETING

Principles of Business and Marketing	1	9-12		37
Digital Marketing	1	10-12		37
Opportunities in Hospitality and Tourism	1	10-12		37
Sports Marketing	1	10-12		37
Advanced Marketing		11-12	Principles of business and Marketing or Sports Marketing	37

TECHNOLOGY EDUCATION

Introduction to Technology Exploratory		6		21
Inventions & Innovations		7		21
Gateway to Technology –Design and Modeling		8		22
Technology Foundations	1	9-12		38
Technology Transfer	1	10-12	Technology Foundations	38
Introduction to Engineering Design	1	9-12	Passed Algebra SOL	38
Principles of Engineering	1	10-12	Intro to Engineering Design	38
Digital Electronics	1	11-12	Intro to Engineering Design	39
Engineering Design and Development	1	12	Digital Electronics	39
Digital Visualization	1	10-12	Intro to Engineering Design/Technical Drawing	39
Modeling and Simulation	2	11-12		39
PLTW Software Engineering	1	11-12		39

HEALTH & MEDICAL SCIENCE

Nurse Aide I (Semester I) Dual Enroll	1.5	11-12		35
Nurse Aide II (Semester II) Dual Enroll	1.5	11-12	Nurse Aide I	35
Principles of Biomedical Sciences	1	9-12		36
Human Body Systems	1	10-12	Principles of Biomedical Sciences	36
Medical Interventions	1	11-12	Human Body Systems	36
Biomedical Innovation	1	12	Medical Interventions	37
Medical Terminology	1			36

	1	10-12		
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TRADE & INDUSTRIAL EDUCATION

Automotive Technology I	2	10-11		40
Automotive Technology II	3	11-12	AST I	40
Carpentry I	1	10-11		40
Carpentry II	3	11-12	BT I	40
Electricity I	1	10-11		40
Electricity II Dual Enroll Option	3	11-12	Electricity I	41
Electricity III	3	12	Limited Class size	41
Welding I	1.5	11-12		41
Welding II	1.5	11-12	Welding I Admin Approval	41
Industrial Maintenance Technology	6	12	Application Process	41
Emergency Medical Technician	6		Selective application process	42

Students who plan to graduate with a Standard Diploma are required to pass 2 credit bearing sequential electives.

Examples of Sequential Electives at SHS or WCHS – this list is not all-inclusive

- Accounting and Advanced Accounting
- Art I and Art II
- Crafts as Art and Art I
- Band – 2 years
- Chorus – 2 years
- Computer Information System I and Advanced Computer Information Systems
- Creative Writing I and II

Design Multimedia & Web Technologies and Advanced Design Multimedia & Web Design
Early Childhood Education I and II
Engineering
Foreign Language – 2 years of the same language
Mythology I and II
Photography I and II
Photojournalism I and II
Psychology I and II
Sports Medicine I and II
Technology Foundation and Technology Transfer
Theater I and II
VA Teachers for Tomorrow I and II

At Blue Ridge Technical Center

Automotive I and II
Carpentry I and II
Culinary Arts I and II
Cabling and Electricity
Electricity I and II
Engineering
Nursing
Principals of Biomedical and Human Body Systems
Technical Drawing and Architectural Draw/Design
Welding I and II

SKYLINE MIDDLE SCHOOL and WARREN COUNTY MIDDLE SCHOOL
Student Plan
Course Offerings

SIXTH GRADE REQUIRED COURSES:

- English 6
- Mathematics 6
- Science 6
- US History 6
- Physical Education 6 (unless medical/academic exemption)

SIXTH GRADE ELECTIVE COURSES (Students will choose one of the following):

- Beginning Band
- Chorus 6
- Exploratory Classes (Art, Computers, Technology Education, World Language Exploratory, and FACS)

SEVENTH GRADE REQUIRED COURSES:

- English 7
- Mathematics 7
- Science 7
- US History 7
- Physical Education 7

SEVENTH GRADE ELECTIVE COURSES:

- Beginning Band
- Concert Band 7
- Chorus 7
- Semester Electives (students may choose 2 of the following): Art, Technology Education, Computers, Conversational Spanish, Journalism, Musical keyboarding, FACS

EIGHTH GRADE REQUIRED COURSES:

- English 8
- Math 8 or Algebra I
- Civics/Economics
- Physical Science
- Health/PE 8

EIGHTH GRADE ELECTIVE COURSES:

- Concert Band 8
- Chorus 8
- Semester Electives (students may choose 2 of the following): Agriscience and Technology, Art, Computer Solutions, Journalism/Yearbook, FACS, Spanish Exploratory, Gateway to Technology

This Student Plan should be reviewed with counselors and parents.

Student Plan

Name_____

Grade_____

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Check credits earned, if any	English 9	English 10	English 11	English 12
Math	Math	Math	Math	Math
Foreign Language	Science	Science	Science	Science
	History	Elective/History	U.S. History	U.S. Government
	Health/PE 9	Health/PE 10		

All offerings in the Warren County Public Schools are offered without regard to Race, Color, National Origin, Sex or Handicap

