

Index for Registration Guide

Contents	
Advanced Programs of Study	5
Class Rank	5
Distinguished Scholars	5
Drop/Add Guidelines	2
Dual Enrollment Application Procedures	42
Dual Enrollment at SHS & VWCC	5-6
Electives Offered	31
Governor's School for Science & Technology	5
Grade Point Average (GPA)	5
Graduation Credits	3
Graduation Requirements	3-5
Instructions for Registration	2
NCAA Eligibility Requirements	44-45
Parent Portal, Grade Posting Practice, and PowerSchool	47
Pathways	37-41
Planning Guide	34
Pyramid of Success	35
Registration Form - Working Copy	48
Requirements for Advanced Studies Diploma	4-5
Requirements for Standard Diploma	4
SAT/ACT Dates	<i>Inside Back Cover</i>
School Counseling Department (Guidance)	6, 47
Senior Checklist	46
Senior Pathway Projects	36
SHS Online Academy	7
Student Promotion	3
Suggested Course Sequence	32-33
VWCC Career & Technical Academy	43
Course Descriptions	
Art	8-9
Business	9-10
Computer Science	10-11
English	11-13
Family and Consumer Sciences	14-15
Health and Physical Education	15-17
Health Sciences	17
History and Social Science	18-19
Marketing Education	19-20
Mathematics	20-21
Performing Arts	21-23
Science	23-24
Special Education	24-26
Technology Education	26
Trades and Industrial Education	26-29
World Languages	29-30

Introduction

This guide is designed to enable students and parents to make informed decisions regarding a program of study and to prepare for the lifelong career decision-making process.

The registration process is an important matter. For students, course selections formulate a student's program of study for the next school year. This program must consider current academic progress and future goals for the student. For schools, registration guides staffing and budgetary decisions. Therefore, a student's requests cannot be made in a rushed or whimsical manner. Course requests represent a commitment to meet the prerequisites by finishing the current school year with the best possible grades and to follow the program of study agreed upon during spring registration with equal academic effort.

Inevitably, some changes are required when a prerequisite is not met or when an elective choice made by a student is not available. Changes in a student's schedule will not be made prior to the opening of school simply to accommodate a change of mind. Doing so runs the risk of overloading classes for the vast majority of students that seek to fulfill their registration commitment. Parents and students are encouraged to take their time, consult with teachers and counselors, and make sound decisions. If you have questions regarding the process, please contact your student's counselor.

General Registration Instructions

1. Students select courses they wish to take, making sure they meet all prerequisites, and register with their counselor.
2. Students should review course selections with parents and counselors to determine consistency with educational and career plans.
3. Parents sign registration form noting approval of course selections.
4. Students who fail to register will have courses selected by school counselors.
5. Students and parents should remember during the registration process that students will not be allowed to drop a dual-enrolled/Honors/CP/ AP course during the first four weeks of the school year.

Students who do not meet prerequisites at the end of the school year and who do not attend summer school will have their schedules adjusted by the school counseling department.

Note: Course offerings, including dual enrollment options, are contingent upon sufficient enrollment and staffing.

Drop/Add Guidelines

Adding a Course

Students may not add full year or semester courses after the first seven days of a semester.

Dropping a Course (Withdrawal Policy)

A student interested in dropping a course should request a Drop Request Form from the counseling office. The parent/guardian, the teacher of the class, and the student must sign the form. The student is responsible for returning the signed form to his or her school counselor, who will make a recommendation to the administration.

PLEASE NOTE: NOT ALL DROP REQUESTS WILL BE APPROVED.

The following restrictions apply:

- A course dropped before the end of the 1st Five weeks of the course will not appear on the transcript or be calculated in the GPA.
- A course dropped after the 1st Five weeks of the course appears as "W" (withdrawal) on the transcript and will not be calculated in the GPA.

Students are not permitted to drop a course during the last nine weeks of the course.

Withdrawal from College Prep (CP), Honors, AP, or Dual Enrolled Courses

Students registering for these courses are required to stay in the course for at least 4 weeks. If a student decides to drop such a course after 4 weeks, there is no guarantee the student will be able to transfer to a new course. Study hall might be the only option. Keep this in mind when registering.

By registering for an advanced course, the student and parent/guardian agree to abide by the Commitment to Advanced Programs of Study (page 5).

Attention Athletes - Take 5 Pass 5

Student athletes are eligible for sports only if they passed 5 courses during the previous semester and are currently enrolled in 5 new courses. Repeat classes do **not** count in this total. If a student drops a class during a semester leaving fewer than 5 courses in his or her schedule, the athlete is immediately ineligible to participate in sports that semester and the following semester. First-time freshmen are eligible fall semester regardless of grades the previous semester.

Graduation Credits

Denial of Credit

Students with excessive absences could be denied credit. Standards of student attendance and consequences for unsatisfactory attendance are a part of the Salem City School Board Attendance Policy.

Standard Unit of Credit

A Standard Unit of Credit in a course that does not have an end-of-course SOL test is earned by a student who successfully completes a course with a grade of "D" or better and maintains good attendance. **In courses having a required end-of-course SOL test, a student must also pass the SOL test or successfully complete an approved remediation program in order to receive a Standard Unit of Credit.**

Verified Unit of Credit

Verified Unit of Credits are earned by completing a course that has a required end-of-course SOL test with a grade of "D" or better, passing the end-of-course SOL test, and maintaining good attendance. Failure to pass an end-of-course SOL test required for graduation will result in a grade of incomplete ("I") for the course. To convert the "I" to a course grade, a student must successfully complete a remediation program. The course will not count toward graduation until the "I" is resolved.

Graduation Credits in Middle School

High school courses taught at the middle school are the same as courses taught at the high school and carry the appropriate high school credit and SOL requirements.

Grades Dropped at the Middle School

A course having the grade dropped at the middle school may not be used as a prerequisite for a course at the high school. Example: If parents elect to have a French 1 grade dropped from the middle school transcript before entering high school, French 2 could not be taken until French 1 had been repeated.

Student Promotion

A. Promotion for grade classification purposes is based upon the total number of credits accumulated as follows:

Sophomore.....	5 credits
Junior	11 credits
Senior.....	17 credits

B. Transfer students from other schools will be evaluated on an individual basis. Transfer students who take courses from VWCC will have those credits accepted at SHS only if the course has been pre-approved, qualifies as a 100 or 200 level course, and if VWCC awarded credit. For example, Algebra 2 at VWCC is remedial and credit is not awarded at VWCC or at SHS. This policy does not apply to dual-enrollment courses at SHS. Credit earned from online academic programs must have prior approval from the principal.

Graduation Requirements

Requirements for Graduation

The requirements for a student to earn a diploma from a Virginia high school shall be those in effect when that student enters the ninth grade for the first time.

Diploma Requirements

1. Must earn the units of credit described in Table 1 for a Standard Diploma and Table 2 for an Advanced Diploma.
2. Students may receive one locally awarded verified credit (LVC) towards their Diploma. Students working towards a standard diploma that have a 504 plan or an IEP do not have a limit on the number of Locally Awarded Verified Credits.

A LVC may be awarded if
 - a) The student passed the course.
 - b) The student has taken the required end-of-course SOL test at least two times.
 - c) The student achieved a minimum score of 375 on at least one of the attempts.
3. Students shall (i) complete Advanced Placement, honors, or dual enrollment course; or (ii) complete a high-quality work-based learning experience,; or (iii) earn a career and technical education credential

Standard Diploma Requirements

Students who complete the requirements for a Standard Diploma with an average grade of "A" (3.5 gpa or higher) will receive a Board of Education Seal on the diploma.

Table 1: Credits Required for Graduation: Standard Diploma

Discipline Area	Standard Units Required	Verified Credits Required
English	4	2
Mathematics ¹	3	1
Laboratory Science ²	3	1
History and Soc. Sciences ³	3	1
Health and Phys. Ed.	2	
W. Lang, Fine Arts or CTE	2	
Electives ⁴	4	
Econ and Personal Finance	1	
Total	22	5

¹Mathematics:

Courses completed to satisfy this requirement shall be at or above the level of algebra and shall include at least two course selections from among: Algebra 1, Geometry, Algebra 2, or other mathematics courses above the level of algebra and geometry. The Board may approve additional courses to satisfy this requirement. (Computer Math has been approved for meeting the Standard Diploma for students who are a CTE completer.)

²Science:

Courses completed to satisfy this requirement shall include course selections from at least two different science disciplines: earth science, biology, chemistry, or physics. The Board may approve additional courses to satisfy this requirement.

³History & Social Science

Courses completed to satisfy this requirement shall include U.S. & Virginia History, U.S. & Virginia Government, and one world history/geography course. Courses which satisfy the world history/geography requirement are: (i) World Geography, (ii) Modern World History or (iii) Ancient World History. The Board may approve additional courses to satisfy this requirement.

⁴Electives:

Courses to satisfy this requirement shall include at least two sequential electives as required by the Standards of Quality. Sequential electives are a series of two related, one-credit courses or a combination of 0.5 credit courses in a related content area.

Advanced Diploma Requirements

Must earn the units of credit described in Table 2

Students who complete the requirements for an Advanced Studies Diploma with an average grade of "B" or better, and successfully complete at least one AP or one college-level course for credit will receive the Governor's Seal on the diploma.

Table 2: Credits Required for Graduation: Advanced Studies Diploma

Discipline Area	Standard Units Required	Verified Credits Required
English	4	2
Mathematics ¹	4	1
Laboratory Science ²	4	1
History and Soc. Sciences ³	4	1
World Language ⁴	3	
Health and Phys. Ed.	2	
Fine/ Performing Arts or CTE	1	
Econ & Personal Finance	1	
Electives ⁵	3	
Total	26	5

¹Mathematics:

Courses completed to satisfy this requirement shall be at or above the level of algebra and shall include at least three different course selections from among: Algebra 1, Geometry, Algebra 2, or other mathematics courses above the level of Algebra 2. The Board may approve additional courses to satisfy this requirement. (Computer Math does not meet the requirements for an Advanced Studies Diploma.)

²Science:

Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines from among: earth sciences, life sciences, chemistry, or physics or completion of the sequence of science courses required for the International Baccalaureate Diploma. The Board may approve additional courses to satisfy this requirement.

³History & Social Science

Courses completed to satisfy this requirement shall include U.S. & Virginia History and U.S. & Virginia Government. Other requirements include two courses from: (i) World Geography; (ii) Modern World History; or (iii) Ancient World History. The Board may approve additional courses to satisfy this requirement.

⁴World Language:

Three years of one language or two years each of two languages.

⁴Electives:

Courses to satisfy this requirement shall include at least two sequential electives as required by the Standards of Quality. Sequential electives are a series of two related, one-credit courses or a combination of 0.5 credit courses in a related content area.

Grade Point Average

The number of graduation credits carried by a course is multiplied by a numerical grade equivalent. That product is added together with the product of every other course taken by the student. The result is divided by the total number of credits attempted by the student. The resulting number is the student's GPA. All credit courses at SHS are included in the calculation. Generally, numerical equivalents are assigned on the four-point scale listed here

A = 4; B = 3; C = 2; D = 1; F = 0

AP and Honors courses use the following higher numerical equivalent to reflect their substantially greater difficulty:

<u>AP Courses</u>	<u>Honors Courses</u>
A = 5	A = 4.5
B = 4	B = 3.5
C = 3	C = 2.5
D = 1	D = 1
F = 0	F = 0

A student's official GPA is computed using end-of-year grades.

Distinguished Scholars

The GPA at the end of the first semester of the senior year is used to determine which seniors will be named as Distinguished Scholars for the graduation ceremony. Students earning Distinguished Scholar status at the end of the senior year will receive the token awarded to all such scholars but will not be recognized during the graduation ceremony.

Class Rank

Salem City Schools do not rank students within their class. For the purposes of facilitating college applications, the average GPA of a class will be listed on transcripts issued to colleges.

Advanced Programs of Study

SHS offers a number of courses which provide more depth and cover more material than their grade level counterparts. A significant amount of work outside class is to be expected. Students may be required to apply for specific courses.

Commitment to Advanced Programs of Study (AP, CP, Honors, Dual Enrolled)

By registering for advanced courses, students and parents/guardians understand and agree to the following:

1. Complete summer reading/requirements.
2. Student will not attempt to drop the class prior to the opening of the fall term due to not completing summer requirements.
3. Student remains in class a minimum of 4 weeks.
4. If an advanced class is dropped after 4 weeks, there is no guarantee a replacement class will be available. Other classes will not be overloaded to accommodate the drop.

The Governor's School

The Governor's School is a regional center for the study of advanced courses in mathematics, science, computer applications, and technology. Students must apply for admission. Students should be academically prepared and motivated to want to learn advanced science and math. Students must have completed Algebra1 and Geometry prior to enrollment.

The application period is January through mid-February. Parents, accompanied by the student, may receive an application at any of the scheduled valley-wide informational meetings. Transportation is provided to the Governor's School. Nonresident students should apply through the school in their attendance area. Students who elect to complete course work at the Governor's School may have to make alternate course selections at their home school due to schedule constraints and may lose a class period that could include an elective due to the time spent traveling to/from the Governor's School.

Dual Enrollment at SHS & VWCC

SHS has a rigorous course of study which includes several college-level courses. In recognition of this, VWCC has agreed to give college credit for a number of courses being taught at SHS.

In most dual enrolled classes, students receive three or four college credits per dual enrolled semester. Courses are taught at SHS by college-accredited high school staff. Books for the courses are provided at no charge to the student. Students who drop a dual enrolled course at SHS must also do so through the Advanced Studies Office.

Dual Enrollment is optional. Students who desire to receive college credit must register and pay tuition as determined by VWCC. Registration occurs in August for the fall semester and January for the spring semester. Students register and pay for classes at SHS through the Advanced Studies Office.

VWCC tuition is determined by the number of credit-hours a student elects to dual enroll and is subject to change. Scholarships are available.

VWCC credits can be transferred to many colleges and universities, dependent upon admission practices. Students and parents are encouraged to contact the admissions office at universities of interest to the student and inquire about credit transfer policies.

****All Dual Enrollment courses and offerings are subject to change based on staffing and availability.***

Career & Technical Preparation

Career and Technical Education provides a sequence of study beginning in high school and continuing through at least two years of post-secondary education.

CTE programs prepare students for direct entry into the workplace after high school and for advanced study leading to a college degree. They include a combination of academic and technical courses providing knowledge and skills needed for success in modern business and industry.

Areas of Career & Technical Focus

<i>Auto Body Repair</i>	<i>Health Sciences</i>
<i>Auto Service Tech</i>	<i>Marketing</i>
<i>Business/Office Admin</i>	<i>Pharmacy Tech</i>
<i>Computer Science</i>	<i>Precision Machining</i>
<i>Cosmetology</i>	<i>Robotics & Mechatronics</i>
<i>Culinary Arts</i>	<i>Techonology Education</i>
<i>Early Childhood Ed</i>	<i>Welding</i>

The Virginia Department of Education and the City of Salem School Division define a CTE program complete as a student who successfully fulfills all minimum requirements of an approved career and technical education program. An approved career and technical education program consists of a sequence of courses or learning experiences designed to develop competencies required for specific career fields or continuing education.

Student Fees

Some elective courses may charge a fee for materials that are consumed or retained by the students, or for specific supplies in excess of what is required for students to complete class assignments. However, fees should never prevent or discourage students from registering for a course. Financial assistance is available for students who qualify. For additional information regarding financial assistance please see the Principal.

SHS Counseling Department

During school hours call: (540)387-2437

Students Last Names (A—E):

Sheri Smith—email: ssmith@salem.k12.va.us
24 hr. confidential voice mail: (540) 444-0914

Students Last Names (F-L):

Kristi Snow—email: ksnow@salem.k12.va.us
24 hr. confidential voice mail: (540) 444-0912

Students Last Names (M-Q):

Michele Arbogast—email: marbogast@salem.k12.va.us
24 hr. confidential voice mail: (540) 444-0911

Students Last Names (R-Z):

Jenny Parrish—email: jparrish@salem.k12.va.us
24 hr. confidential voice mail: (540) 444-0913

School Counseling Department Secretary

Tammy Chitwood—email: tchitwood@salem.k12.va.us
24 hr. confidential voice mail: (540) 444-0910

Salem City Schools does not unlawfully discriminate on the basis of race, color, national origin, disability, gender, or age in employment or its educational programs and activities.

SPARTAN ONLINE ACADEMY

(Grades 10 - 12)

Spartan Online Academy exists for 10th, 11th, and 12th grade students who are interested in taking some classes online to provide a personalized and flexible approach to learning. We anticipate that most students choosing this option will take a combination of online and in-person classes. Interested students are required to submit an application to take advantage of online course offerings.

SHS hopes to offer the courses listed on the next page of this Registration Guide in an online format. Courses where in-person instruction is essential may not be offered online. Students who take a combination of online and in-person courses will receive a hybrid schedule and will attend in-person classes as scheduled. The hybrid model may result in students arriving late, leaving early, or both depending on the nature of their schedule. For any "open" periods during the day, students will be assigned to a location in the school to work independently. Students with consecutive "open" periods during the day may be allowed to leave campus and return to school to complete their scheduled in-person courses as needed.

Online courses will be taught by SHS teachers or by a third party provider based on student requests and staff availability. Students who elect to take classes online must take them in the manner determined by SHS. The delivery model will be communicated prior to the add/drop date to allow students the opportunity to add or drop an online course once the delivery method has been determined.

Online classes will be offered asynchronously and synchronously. Synchronous courses require students to be present online at specific times. Asynchronous courses allow students to access content and complete assignments at their own pace. However, there may be synchronous requirements in some asynchronous courses. Students may be expected to connect with teachers on a regular basis, and there could be a limited number of times throughout the year when students will be required to come to school to complete a task in person with a teacher.

This instructional mode does not work well for all students. Therefore, interested students must apply to be considered for this opportunity. Students receive applications from their school counselor. On the application students will be asked to compose a short response explaining why they desire to participate in online courses.

Other criteria considered include: Parent/Guardian permission, academic history, GPA, courses completed, prior success with online courses, grades, academic independence, ability to meet deadlines, and grade level.

After counselors receive completed applications and decisions are made regarding acceptance, counselors will schedule personalized registration meetings to help online students and families make appropriate decisions and to answer questions about what and how courses are offered.

Students will have until the last Friday in June to choose online or in-person classes. Students will not be allowed to change after that date. SHS will make every effort to honor requests for online students to return to in-person instruction if space is available. However, students should only choose the online option if they are confident in their ability to be successful in an online course..

This is an exciting endeavor for our school, but it's also new. With anything new there are bound to be many questions. Please ask your counselor for additional information.

Course Guide

SHS encourages its students to choose challenging courses. Research shows the rigor of classes taken in high school is an excellent indicator of future academic success.

Prior academic success is a helpful predictor of how a student will do in a course. Therefore, courses in this Registration Guide have their own recommendations to help students and families make appropriate choices.

Students and parents should take recommendations into consideration when making course requests, and all students should speak with their current teachers and their school counselor for advice on what classes to take next year.

Enrolling in an advanced course comes with an expectation students commit to the academic requirements of the course. There is no guarantee students may drop to a lower level course.

Art

Art Foundations (9120)

Prerequisite: None
Credit: 0.5 GPA: 4.0

This course is designed to introduce students to various techniques and media used in both two- and three-dimensional design. Students will study and work in such areas as drawing, painting, design, and art appreciation with emphasis on the elements of art and the principles of design. Students are responsible for some art supplies.

Drawing (9140a)

Prerequisite: Art Foundations
Credit: 0.5 GPA: 4.0

This studio-oriented course is designed to provide students an opportunity to expand on experiences and processes learned in Art Foundations. Students are encouraged to develop independent thinking, self-confidence, self-expression, and perceptual awareness in solving accelerated studio problems. Areas of study include composition, sketching and shading techniques, perspective, figure drawing and portraits. Students are responsible for some supplies.

Ceramics 1 (9175)

Prerequisite: None
Credit: 0.5 GPA: 4.0

Ceramics 1 is a one semester course designed to introduce students to making projects out of clay by handbuilding and using the pottery wheel. Basic skills are taught through each project. You will make the coolest, most mind-blowing ceramic art the world has ever seen.

Ceramics 2 (9176)

Prerequisite: Ceramics 1
Credit: 0.5 GPA: 4.0

Ceramics 2 is a one semester class that could be requested simultaneously at the same time to follow the Ceramics 1 class or can be requested the next year. Students will continue their skills learned in the previous class and will be able to apply those skills to higher level projects. Larger vases, bowl sets, jars with lids, matching mugs, sculpture, and handbuilt larger items are created while increasing the skill levels.

Ceramics 3 (9162)

Prerequisite: Ceramics 2
Credit: 0.5 GPA: 4.0

Ceramics 3 is a one semester class that could be requested simultaneously at the same time to follow the Ceramics 2 class or can be requested the next year. This class further develops skills to the extent that students master the techniques of ceramics. Students create wheel thrown pottery from hollow closed forms, combining forms, and using these skills to create teapots, rice bowl sets, chip and dip platters, plates, sculptures and other indepth handbuilt projects. Students are asked to pay a \$10.00 materials fee, and will be able to keep the ceramics they create.

Beginning Painting (9130)

Prerequisite: None
Credit: 0.5 GPA: 4.0

Beginning Painting is a one-semester course designed to introduce students to varied painting techniques and media. Students will be introduced to basic color theory and will have opportunities to work in watercolor and acrylic painting. Students will be asked to furnish certain basic supplies.

Advanced Painting (9145)

Prerequisite: Beginning Painting
Credit: 0.5 GPA: 4.0

Advanced Painting is a one-semester course presenting students with the opportunity to further express themselves through painting. Students will work with watercolor and oil paints while studying and experimenting with various painting styles. Students will be asked to furnish certain supplies.

Adobe Photoshop (9154)

Prerequisite: None
Credit: 0.5 GPA: 4.0

Adobe Photoshop is the premier software application used by artists, designers and creative professionals. for different disciplines including graphic design, digital photography, web design, and many other industries. This semester course is designed to give students an introductory understanding of how to use Photoshop and perform many different image-processing techniques. Students will learn the Photoshop fundamentals to create/edit graphics and manipulate images. Various lessons, projects, and class assignments will assist students in learning how to select parts of images, retouching photographs, layers, filters, color modes, and many other specific Photoshop operations. - Some studio fees may apply to this course.

Adobe Illustrator (9180)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Adobe Illustrator is the standard application used to create computer graphics, logos, fonts, and many other kinds of artwork. Graphic designers and other professional artists utilize Illustrator to create vector based artwork required for many creative businesses and commercial industries. Illustrator is a semester class where the fundamentals of producing, manipulating and commercial use of vector graphics is explored. Illustrator's numerous functions and tools are covered in sequence to produce geometric primitives (points, lines, and shapes) to create art that is clean, camera ready, and can be scaled infinitely, without any loss of quality or fidelity. A range of vector based concepts, lessons, and projects will be covered outlining specific standards used by graphic designers, printers and web developers. - Some studio fees may apply to this course.

Advanced Graphic Arts (9153D)

Prerequisite: Adobe Photoshop or Adobe Illustrator; with Instructor Permission

Credit: 1.0 GPA: 4.0

Advanced Graphic Arts is a year long course designed to further student knowledge and understanding of Adobe applications and the elements of art and principles of design. Class assignments, lessons, and commercial projects will allow students to develop practical skills in graphic design, web design, photography, and Adobe applications. Activities call for students to apply problem solving methodology to analyze and formulate real world solutions. Students will work in a studio environment as a team to collectively accomplish individual and group projects. Students will put together a portfolio of work that will demonstrate a wide range of graphic design skills and have the option to get their ACA Specialist certificate (Adobe Certified Associate). - Some studio fees may apply to this course.

Digital Photography (9190)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Digital Photography is a semester class that will cover the fundamentals of cameras, lenses, lighting, image editing software (Adobe's Lightroom/Photoshop), and other basic photographic equipment. Digital Photography will cover essential camera concepts and functions such as aperture, shutter speed, ISO, and the production of a correct image exposure. School fields trips, class assignments, and student projects will comprise of portraits, still life's, food photography, and other photo related compositions based on the principles and elements of design. This class is an introductory course and is intended for students looking to explore or improve their skills in digital photography. Some studio fees may apply to this course.

AP Art and Design (9150AP)

Prerequisite: Art Foundations and completion of 1 previous art class with instructor permission.

Credit: 1.0 GPA: 5.0

In this introductory college-level fine arts course, students develop 2-D skills through materials and processes such as graphic design, photography, collage, printmaking, fashion

illustration, collage, and others. Students will create artwork that reflects their own ideas and skills. AP Studio Art& Design is not based on a written exam; instead, students submit portfolios in May.

Business Education

Microsoft Office (6617a)

Prerequisite: None

Credit: 0.5 GPA: 4.0

This course introduces the use of office productivity software commonly used in business and industry. Students will demonstrate knowledge associated with basic computer functionality, keyboarding skills, and the ability to create end-products using Microsoft Word, Microsoft Excel, and Microsoft PowerPoint. This course is designed as a first step for students wishing to progress through more advanced business and information technology coursework. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

Economics & Personal Finance (6120)

Prerequisite: None, Grade 11 or 12 recommended

Credit: 1.0 GPA: 4.0

Students will learn how economies and markets operate and how the United States economy is interconnected with the global economy. Students will learn basic consumer skills that will help them survive "life after graduation". Topics include: career exploration, budgeting, employment, savings options, investing, credit, managing debt, taxes, and insurance. Students take the WISE Financial Literacy Certification Test at the end of this course. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional. **This satisfies the Financial Literacy and Economics Graduation Requirement.**

Computer Info Systems (CIS) (6612)

Prerequisite: Grade 11 or 12

Credit: 1.0 GPA: 4.0

This year-long course trains students in advanced Microsoft Office business applications. Students complete applications using Microsoft Word, Excel, Access and PowerPoint and the integration of this software using business projects. Students learn skills needed in college and/or job applications. Students prepare for the MOS (Microsoft Office Specialist) Industry Certification related to this course. With teacher approval students may participate in the work study program, Cooperative Office Education (COE). Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

Accounting (6320)

Prerequisite: Grade 11 or 12 (recommended), Algebra 1
Credit: 1.0 GPA: 4.0

Accounting is a yearlong course designed to study basic principles, concepts, and practices of the accounting cycle for a service business and a merchandising business. Topics covered include analyzing transactions, journalizing and posting entries, preparing payroll records and financial statements, and managing cash control systems. Business ethics and professional conduct are emphasized. Students learn fundamental accounting procedures. Students planning to major in business in college or to work in business will benefit from this course. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

Cooperative Office Ed (COE) (6799)

Prerequisite: Grade 11 or 12; Employment in a related field
Credit: 1.0 GPA: 4.0

This course is available to students who are enrolled in Accounting and/or Computer Information Systems. Cooperative Office Education is the supervised, on-the-job instruction alphase of an occupational preparation program. Students combine classroom instruction with a minimum of 396 hours of continuous, supervised, on-the-job training during the school year. They receive one credit for the business class and another credit for COE.

Attention Co-op Students: Students requesting COE will not be released early unless they have a job. Until then, students stay in school in a study hall.

Honors Business Management (6135)

Prerequisite: Grade 11 or 12 and a strong academic background is highly recommended due to the advanced nature of this course.

Credit: 1.0 GPA: 4.5

This course is designed to provide fundamental understanding of business management with a focus on entrepreneurship. Students in this course will generate new, creative ideas and turn them into profitable business models. This course is designed after an introductory course in a college of business. Skills taught include communication, presentation, problem solving, decision making, ethics, finance, human resources management, operations and marketing. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

Design, Multimedia, & Web Tech (6632A)

Prerequisite: None
Credit: 0.5 GPA: 4.0

This semester course introduces the basics of desktop publishing working with graphics, and web design. Students apply creativity and technology to create visual design, multimedia projects, and web projects, using industry-standard software. Students enrolled in in this course may join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

AP Economics (6136)

Prerequisite: Completion of both US/VA History and Algebra 2. It is strongly recommended that students enrolled in this course received a B or higher in US/VA History and Algebra 2.

Credit: 1.0 GPA: 5.0

This year-long course is a college-level introduction to Microeconomics and Macroeconomics. Major topics include supply and demand, profit, taxes, economic growth, government fiscal and monetary policy, and international economics. Students will take TWO AP exams that could earn them a total of two semesters of college credit. Students enrolled in this course have the opportunity to join Future Business Leaders of America (FBLA). Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

Business Law (6131)

Prerequisite: None
Credit: 0.5 GPA: 4.0

Business Law is a semester course designed to help students develop an awareness of the individual's legal rights and responsibilities in society. Emphasis is placed on studying legal issues from a business perspective. Topics include: the legal system, civil law, criminal law, business ethics, contracts, agency law, commercial and consumer law, and employee/employer rights and responsibilities. Students visit area courts to observe the judicial process. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

Computer Science

Discovering Computer Science (6644a)

Prerequisite: None
Credit: 0.5 GPA: 4.0

Discovering Computer Science (DCS) is a semester-long course that introduces students to various topics in computer science. Students will learn about problem-solving approaches, physical computing devices, Internet communication, designing interactive programs, data-centered decision-making, and the impact of technology on society. Students will develop a variety of projects throughout the course that utilize the skills covered in a way that is meaningful to students. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

Cybersecurity & Me (6302a)

Prerequisite: None
Credit: 0.5 GPA: 4.0

Cybersecurity & Me is a semester-long course that presents the different ways topics related to cybersecurity impact you and most of the world's population every day. Students will learn a variety of strategies they can use to keep themselves and others safe while using Internet-connected devices. Students will also explore cybersecu-

urity threats that impact organizations and nation-states, why those threats matter, and the basics of the underlying concepts used to protect against those threats. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

Coding 2D Games (6643a)

Prerequisite: None; Algebra 1 and strong mathematical reasoning skills are strongly recommended.

Credit: 1.0 GPA: 4.0

Coding 2D Games builds the foundational programming concepts needed to create simple games with a modern programming language. Students use a text-based programming environment to learn how to code with logical command sequences, functions, data structures, and control structures. Students will create a variety of games, including remakes of classic games. Students enrolled in Coding 2D Games have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

App Development (6611AD)

Prerequisite: Completion of a previous full-year programming course or instructor approval

Credit: 1.0 GPA: 4.0

App Development introduces students to the use of a professional-level software development environment that specializes in the creation of 2D and 3D apps. The course builds on existing programming concept knowledge and transitions students to using object-oriented programming concepts to create scripted applications. Students will develop apps that can be deployed across a variety of computer platforms, including Windows, macOS, Android, and iOS devices. Students will also be exposed to the use of databases to store data used with an application. Students enrolled in Mobile Apps have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

Cybersecurity I: Core Concepts (6303)

Prerequisite: Completion of a previous full-year programming course or instructor approval

Credit: 1.0 GPA: 4.0

Core Concepts introduces students to the practices and technologies that are used to secure and protect personal, organizational, and national information. Students will learn about and use core cybersecurity concepts and tools that allow cybersecurity professionals to monitor for and protect against common cybersecurity threats. Students will also be exposed to information about careers and job roles associated with the field of cybersecurity. Students enrolled in Cybersecurity I: Core Concepts have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

AP Computer Science A (Java) (3185)

Prerequisite: Completion of a previous full-year programming course or instructor approval

Credit: 1.0 GPA: 5.0

AP Computer Science A (AP CSA) is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. AP CSA teaches object-oriented programming using the Java language and emphasizes critical thinking and algorithm development by using hands-on experiences to design, write, and test computer programs that solve problems and/or accomplish tasks. This course will prepare students for the end-of-course AP Exam. Students enrolled in AP CSA have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

AP Computer Science Principles (10160)

Prerequisite: 10th grade or instructor approval; Strong mathematical reasoning skills are strongly recommended

Credit: 1.0 GPA: 5.0

AP Computer Science Principles (AP CSP) is an introductory college-level computing course that introduces students to the breadth of the field of computer science. The course introduces students to foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Students learn to use data to identify issues and opportunities. Students design and evaluate solutions through the development of algorithms and programs. This course will prepare students for the end-of-course AP Exam. Students enrolled in AP CSP have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

English

English 9 (1130)

Prerequisite: Grade 9

Credit: 1.0 GPA: 4.0

In English 9, students study the five English strands—oral language, grammar, reading/literature, writing, and research. Language study emphasizes oral skills. In literature, students study a variety of literary types. Throughout the course, students incorporate different kinds of writing into classroom activities. Students also learn and practice library and research skills and participate in listening and speaking activities and basic computer skills.

English 9: Honors (1130H)

Prerequisite: Grade 9; score of 475 or above on all previous English SOLs is strongly recommended.

Credit: 1.0 GPA: 4.5

This is designed for students who are competent, independent readers and writers. The major concepts of this course will include, but not be limited to, instruction in the backgrounds and critical analyses of major literary works representing various genres, with emphasis on American literature. Composition focuses upon using the writing process to develop themes and includes application of research skills. Vocabulary study will focus on preparation for College Entrance Examination. Students should expect to do the majority of reading and essay writing outside of class.

English 10 (1140)

Prerequisite: Grade 10

Credit: 1.0 GPA: 4.0

This college and career preparatory class will integrate the study of language with the study of literature and writing. In literature, emphasis is placed on analyzing works from a variety of eras and cultures, including short stories, novels, fiction, and nonfiction texts. This class will also focus on the grammar, vocabulary, communication, research, and writing composition skills necessary to demonstrate readiness on the Virginia End-of-Course writing assessment. Students will practice informal and formal writing and revision processes, focusing on persuasive composition, technical writing, and the research paper. Language study will focus on the mastery of grammar, usage, and mechanic skills.

English 10: Honors (1140H)

Prerequisite: Grade 10; A grade of "B" or better in English 9: Honors or an "A" in English 9 are strongly recommended

Credit: 1.0 GPA: 4.5

This college and career preparatory class will integrate the study of language with the study of literature and writing. In literature, emphasis is placed on independently reading and analyzing works from a variety of eras and cultures, including short stories, novels, fiction, and nonfiction texts. Designed for students that demonstrate SOL writing skill readiness at the completion of 9th grade, this class will hone analytical skills to be applied in compositions, presentations, discussions, and the research paper. Students will practice informal and formal writing and revision processes, focusing on the mastery of complex vocabulary, grammar, usage, and mechanic skills. Students should expect to do the majority of reading and essay writing outside of class.

English 11 (1150)

Prerequisite: Grade 11

Credit: 1.0 GPA: 4.0.

In English 11, students study the five English strands - oral language, grammar, reading/literature, writing, and research. The curriculum includes a survey of American literature, including the study of short fiction, poetry, and the novel, in addition to analysis of non-fiction selections; formal composition of analytical essays; and practice in written and verbal communication. Language study focuses on elimination of errors in grammar and usage/mechanics.

English 11: College Prep (1151)

Prerequisite: Grade 11; Recommended for students who earned a "B" or better in English 10

Credit: 1.0 GPA: 4.0

English 11: College Preparatory aims to develop in college-bound students the reading and writing skills necessary for successful performance at the college level. Instruction methods include discussion, lectures, models, group work, and audiovisual presentations. The course emphasizes literary analysis of significant works of American literature – both classic and contemporary, written analysis of these works, the elimination of common errors in formal composition, grammar skills necessary for proper composition style, the writing of expository essays, and the preparation of the research paper. Vocabulary study will focus on preparation for college entrance exams, such as the SAT and ACT. Students should expect to do the majority of reading and essay writing outside of class.

AP Language and Composition (1196)

Prerequisite: Grades 11 or 12, An "A" in all previous

English courses and pass advanced SOL scores are strongly recommended

Credit: 1.0 GPA: 5.0

Designed for students demonstrating readiness for collegiate-level writing, this class is an advanced study of language and composition in all forms. In literature, emphasis is placed on independently reading and analyzing works from a variety of eras and cultures. Students analyze authors' purpose when composing text and the rhetorical elements employed to manipulate an audience. Students analyze composition styles authors utilize when writing, and improve their own writing and communication through frequent practice of different composition forms. This course is an intensive writing experience; students will be required to complete in-class timed essays, out-of-class polished works, reflective writing, journaling, peer and self-edits, research projects, and other written and spoken activities designed to increase mastery of rhetorical techniques. Students should expect to do the majority of reading and essay writing outside of class. **Summer reading is required and is assigned by the instructor.**

English 12: Heroes and Villians (1160A)

Prerequisite: Grade 12

Credit: 1.0 GPA: 4.0

This college and career prep class includes the study of heroes and villains from British literature and beyond, while honing grammar and composition skills appropriate to college and the business world. Today's graduates need to possess skills in written and oral communication as well as in higher level thinking, research, and problem solving. The curriculum integrates academic and career readiness skills, with a focus on oral communication, research, writing, and reading. Students will also focus on a particular career or career cluster and develop a summative portfolio that demonstrates their abilities to think critically, solve problems, and communicate effectively, which will be presented in a culminating exit interview prior to graduation.

English 12: Not the Novel - Exploration of Nontraditional Text (1160B)

Prerequisite: Grade 12

Credit: 1.0 GPA: 4.0

This college and career prep course will focus on the exploration of nontraditional text (novellas, graphic novels, short stories, plays, and poetry), while honing grammar and composition skills appropriate to college and the business world. Today's graduates need to possess skills in written and oral communication as well as in higher level thinking, research, and problem solving. The curriculum integrates academic and career readiness skills, with a focus on oral communication, research, writing, and reading. Students will also focus on a particular career or career cluster and develop a summative portfolio that demonstrates their abilities to think critically, solve problems, and communicate effectively, which will be presented in a culminating exit interview prior to graduation.

English 12 College Prep: Contemporary Literature and Pop Culture (1161A)

Prerequisite: Grade 12; A grade of "B" or better in 11th grade English course and a passing EOC 11 Reading SOL score is strongly recommended

Credit: 1.0 GPA: 4.0

In this advanced college prep course, students study a variety of literature with a focus on modern texts written after 1940. Students continue to expand vocabulary and to develop skills in writing paragraphs, essays, and documented papers. They practice advanced composition skills and will also develop skills in critical thinking and analytical writing. Students will develop a literature-based portfolio to demonstrate growth in literary analysis and composition skills. Students should expect the majority of reading and essay writing to be done outside of class.

English 12 College Prep: Literature in Fiction, Films, and Plays (1161B)

Prerequisite: Grade 12; A grade of "B" or better in 11th grade English course a passing EOC 11 Reading SOL score is strongly recommended

Credit: 1.0 GPA: 4.0

In this advanced college prep course, students study major dramatic works, including plays, scripts, and screenplays. Students continue to expand vocabulary and to develop skills in writing paragraphs, essays, and documented papers. They practice advanced composition skills and will also develop skills in critical thinking, analytical writing, and film research. Students should expect the majority of reading and essay writing to be done outside of class.

AP Literature (1160AP)

Prerequisite: Grade 12, An "A" in English 11 College Prep or AP Language and Composition is strongly recommended

Credit: 1.0 GPA: 5.0 **NCAA**

This course is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing imaginative texts (fiction, poetry, drama) from various periods. They explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. self-edits, research projects, and other written and spoken activities designed to increase mastery of rhetorical techniques. Students should expect to do the majority of reading and essay writing outside of class. **Summer reading is required and is assigned by the instructor.**

Creative Writing 1 (1171)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Designed to meet students at their present writing level, this emphasizes the concept of "writing with power," and finding the students' style and "voice" as writers. Through instruction and interaction with other student writers, students develop strategies to generate, develop, and revise their writing. Students will study and write from the following categories: journal, poetry, short story, autobiography, descriptive and narrative writing, interviewing, characterization, point-of-view, and children's stories. Students will generate a final portfolio of their best work for assessment, oral sharing, and publication at the end of the course.

Creative Writing 2 (1177)

Prerequisite: Creative Writing 1

Credit: 0.5 GPA: 4.0

This course is an accelerated review of strategies covered in Creative Writing 1, with emphasis placed upon editing for publication. Students will be strongly encouraged to submit work to the school's literary magazine, Delphi. Focus will be placed on workshop style editing to advance student's abilities and understanding of writing fiction, nonfiction, and poetry. The course will culminate in a portfolio style collection of the student's work over the course of the semester.

Classical Mythology (1519)

Prerequisite: None; Recommended for College Bound Students

Credit: 0.5 GPA: 4.0

How was the world created? Where do monsters come from? How do you live -- and die -- a hero? Students will explore how myths answer these questions, explain natural events, impact societal rules, set the bar for being a hero, and more. Focused mostly on Greek and Roman mythology, students will learn about the Olympians, Hercules, Jason and the Argonauts, Perseus and Medusa, and more. Students will also sample Aztec, Mayan, Celtic, Chinese, and Norse myths. Classical Mythology ends by examining how myths shape literature, art, history, video games, and movies today. Ideal for students who enjoy discussion, hands-on projects.

Photojournalism: Yearbook (1215)

Prerequisite: By application

Credit: 1.0 GPA: 4.0

The yearbook staff produces the school's award-winning yearbook, *The Laconian*, using Adobe InDesign and Photoshop. Students gain experience in layout and design, interviewing, writing, photography, small-business, and sales, while also learning to be committed to a team. The staff meets during a scheduled class time, but after-school hours are often necessary in order to meet deadlines. Students are also encouraged to attend workshops in the summer. The staff is selected by an application process. Applications are available from the adviser in the spring.

English Learners

Newcomer EL (5710EL)

Prerequisite: None

Credit: 1.0 GPA: 4.0

An introduction to high frequency social language and basic American cultural practices for newly arrived English Learners. Students will participate in daily drills (phonetic alphabet, calendar, counting, vocabulary recall). Students will access a curriculum of social and survival English language through core language skills practice: reading, writing, listening, and speaking activities. The course includes orientation to basic aspects of American lifestyle: holidays, foods, geography, signage, telephone and email, transportation and driving, the education system. This one year course is appropriate for students at WIDA levels up to 2.0 overall.

EL English/Language Arts 1 (1170EL)

Prerequisite: None

Credit: 0.0 GPA: 4.0

Students enrolled in this course are simultaneously enrolled in an appropriate grade level English course. Students will gain English standards and appropriate grade-level skills through scaffolded texts. Students will focus on figurative language by analyzing poetry from various cultures represented in the classroom. Students will improve their reading skills through

lessons on grammar, word parts, and various vocabulary activities. The literature portion of our course will culminate in the student's first novel in English. Persuasive writing skills will be taught and will lead up to the Workkeys Writing Test. Students of all grade levels will prepare to earn an English verified reading and writing credit.

EL English/Language Arts 2 (1171EL)

Prerequisite: EL English/Language Arts 1

Credit: 0.0 GPA: 4.0

Students enrolled in this course are simultaneously enrolled in an appropriate grade level English course. Students will continue building their reading and writing skills. Poetry will be analyzed for figurative language and deeper meaning. Critical thinking in a second language will be encouraged. Students will have the opportunity to read their second novel. Students of all grade levels will prepare to earn an English verified reading and writing credit.

EL Resource (1515)

Prerequisite: None

Credit: 1.0 GPA: 4.0

Instructional support for literacy development and core content studies for English Learners at all levels of language acquisition. Students will participate in guided reading, that is small group and leveled literacy instruction. Students will receive support with core content work. The EL instructor will help with the organization and rehearsal of students' general coursework, infusing language skills practice into core content discussions. The instructor will use this resource period to guide students' development of executive functioning skills. Finally, the instructor will use the course as a platform for assessing overall student wellbeing and arranging additional advocacy or intervention as necessary.

Family & Consumer Sciences

Exploring Foods (8249)

Prerequisite: 9th or 10th grade; 11th and 12th may only request as an alternate

Credit: 0.5 GPA: 4.0

Designed to introduce students to selection and preparation of menu basics, this course provides opportunities through demonstrations, guest speakers, labs, individual and team projects and field experiences. Topics include safety and sanitation principles; analysis of food choices; teambuilding exercises; planning and preparing principles; introduction to equipment and usage; terminology; following and analyzing recipes; exploring career options; and food presentation and evaluation. Students are required to wear rubber-soled shoes and use hair covering and wear jacket/apron as provided. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization FCCLA.

Gourmet Cuisine (8275)

Prerequisite: Grade 11; or completed Exploring Foods.

12th graders may only sign up as an alternate.

Credit: 1.0 GPA: 4.0

This course investigates principles and styles of food preparation. Students will be given opportunities to perform side work, explore regional foods and service styles, practice simple catering and banquet functions, explore professional opportunities, develop menus, investigate costing and purchasing principles and prepare and serve at various functions. Practical sanitation skills will be emphasized. Class activities include field trips, demonstrations, guest lecturers, individual and team labs. Students will be required to provide and to wear rubber-soled shoes and use hair covering and wear jacket/apron as provided. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization FCCLA.

Culinary Essentials (8276)

Prerequisite: Grade 11 or 12; Gourmet Cuisine and MUST have passed Serv-Safe Certification test.

Credit: 2.0 GPA: 4.0

This course is designed to investigate principles and styles of food preparation. Students will be given opportunities to perform side work, explore regional foods and service styles, practice simple catering and banquet functions, explore professional opportunities, develop menus, investigate costing and purchasing principles and prepare and serve at various functions. Practical sanitation skills will be emphasized. Class activities will include field trips, demonstrations, guest lecturers, individual and team labs. Students will be required to provide and to wear rubber-soled shoes and use hair covering and wear jacket/apron as provided. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization FCCLA.

Intro to Early Childhood Ed (8233EC)

Prerequisite: 9th or 10th grade; 11th and 12th may only request as an alternate

Credit: 0.5 GPA: 4.0

This course serves as an introductory class for the Early Childhood Education program. Students learn about parenting through the study of the intellectual, social-emotional, and physical growth and development of children in the ages of early childhood. This class also provided the opportunity to explore careers in the early childhood education field. Class activities include lecture-demonstrations, live events, and individual projects. Child Development students and their parent/guardian will be expected to sign and abide by the Early Childhood Education Code of Ethics Contract. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization FCCLA.

Early Childhood Education 1 (8285)

Prerequisite: Submission of completed application packet.

Intro to ECE, Students in Grades 11 or 12 without Intro to ECE may request as an alternate.

Credit: 1.0 GPA: 4.0

This course teaches basic skills of child development in an early childhood setting. Students will have opportunities to observe, plan, and participate in developmentally appropriate children's activities. Early Childhood Education students and their parent/guardian will be expected to sign and abide by the ECE Code of Ethics Contract. This is an excellent course for any student interested in working with young children or in a teaching career. **Please note: This is a highly requested course; therefore, students must intend to remain in this course for the entire school year. Also, students are selected for this course by an application process. Applications are available from the instructor during 2nd semester.** Students enrolled in this course have the opportunity to join the Career and Technical Student Organization FCCLA.

Early Childhood Education 2 (8286)

Prerequisite: Early Childhood Education 1 and submission of completed application packet.

Credit: 2.0 GPA: 4.0

This two-period course is the second year of a two-year Early Childhood Education program. Students completing this program will be prepared to be a child care aide, teacher's aide, or pursue collegiate study in early childhood education. ECE 2 emphasizes an advanced study of child development; curriculum planning implementation; and developmentally appropriate practices. Qualifying students may combine classroom instruction with teaching internships. Early Childhood Education students and their parent/guardian will be expected to sign and abide by the ECE Code of Ethics Contract. **Please note: This is a highly requested course; therefore, students must intend to remain in this course for the entire school year. Students are selected for this course by an application process. Applications are available from the instructor during 2nd semester.** Students enrolled in this course have the opportunity to join the Career and Technical Student Organization FCCLA.

FACS Internship (8215-sem; 8216-FY)

Prerequisite: C or better in ECE 2, submission of completed application packet and selection interview.

Credit: 0.5-2.0 GPA: 4.0

These courses are available to qualifying students enrolled in the Culinary Arts and Early Childhood Education programs. Speciality areas for the ECE internships include, but are not limited to, educational opportunities in elementary, ELL, and Special Education. This unpaid work experience provides the opportunity for students to apply classroom knowledge in a professional setting. A training agreement is developed by the employer, teacher-coordinator, and the student. **Also, students are selected for this opportunity by an application process. Applications are available from the instructor during 2nd semester. Once the completed application packet is submitted, an interview will be scheduled with the Selection Committee.**

Health & Physical Ed

Health Education 1 (Online) (7320)

Prerequisite: None

Credit: 0.5 GPA: 4.0

This course will focus on the following topics: Health and Wellness, Healthy Family Relations, Consumer Health, Alcohol, Tobacco and Drugs, Communicable Diseases, Systems of the Body, Family Life, First Aid & CPR, Health Related Emergencies, Safety and Well-being, Internet Safety, Resolving Conflict and Preventing Violence. All students will complete the VDOE First Aid and CPR requirement for Health 1.

Health Education 2 (7420)

Prerequisite: Health Education 1

Credit: 0.5 GPA: 4.0

Health 2 will focus on the following topics: Stress Management, Mental Health, Mental Health Disorders, Physical Fitness, Wellness, Decision Making, Nutrition, Infectious Disease, Steroids & Performance Enhancing Drugs, and Internet Safety. Health 2 students participate in Drug Abuse Resistance Education sponsored by SHS and the Salem Police. The SHS Counseling Department will also present a Signs of Suicide Prevention Program.

PE 2 - Lifetime Fitness (7640)

Prerequisite: PE1 (counts as a PE graduation req)

Credit: 0.5 GPA: 4.0

This course focuses on lifetime fitness, recreational sports, and team sports activities. The student will demonstrate the ability to independently apply basic FITT principles of training and intensity level concepts to help increase physical activity and improve personal fitness. The student will apply appropriate training principles in multiple lifetime fitness activities, while demonstrating appropriate behavior in all physical activity settings. All students will be encouraged to pursue lifetime fitness and sports based activities after they graduate from high school.

PE 2 - Rhythmic Movements (7640D)

Prerequisite: PE1 (counts as a PE graduation req)

Credit: 0.5 GPA: 4.0

This course focuses on lifetime fitness with an emphasis on rhythmic movements and dances through the ages. The student will participate regularly in health-enhancing physical activities that contribute to personal enjoyment and the attainment and maintenance of personal physical activity goals. The student will use a variety of resources and technology to help enhance his/her personal physical activity experience

Introduction to Sports Medicine (7660ISM)

Prerequisite: Health 2

Credit: 0.5 GPA: 4.0

Introduction to Sports Medicine is a practical course that will introduce the students to the field of Sports Medicine and potential career paths in medicine. This course will focus on anatomy/physiology, prevention, treatment, & rehabilitation of Sports Medicine injuries.

Sports Medicine 2 (7660SM)

Prerequisite: Intro to Sports Medicine

Credit: 0.5 GPA: 4.0

This course will combine the base knowledge from Introduction to Sports Medicine and practical application to provide the students a deeper look into the sports medicine field. This course will build on the foundation from SM I, broadening the scope of anatomy/physiology, prevention, treatment, nutrition in sports, & rehabilitation of Sports Medicine injuries.

Sports Medicine 3 - Internship (7660SMI1)

Prerequisite: Instructor Approval

Credit: 0.5 GPA: 4.0

This course will combine the knowledge base from both Introduction to Sports Medicine and Sports Medicine 2. This course will be designed to apply content knowledge and skills learned in a sports medicine clinical setting. This course will continue to focus on the anatomy, physiology, prevention, treatment, rehabilitation, and nutrition related to sports medicine injuries. Sports Medicine 3 will also introduce the students to surgical techniques, diagnostic imaging, medications, and post-surgery/post-injury rehabilitation. Students will be required to complete a minimum of five hours per week in the athletic training room.

Introduction to Officiating (7655)

Prerequisite: Health 1

Credit: 0.5 GPA: 4.0

This course is designed to enable students to acquire knowledge of sport rules and regulations, to develop skills in officiating selected sports, improve skills in specified team sports, and maintain or improve health-related fitness. Students will be introduced to the rules and techniques of officiating team sports. Students will also learn important characteristics of becoming an official. In addition to learning the rules and mechanics of officiating, students will have the opportunity to demonstrate these learned skills. Students enrolled in this course will be given the opportunity to officiate a variety of team sports within other physical education classes offered at Salem High School. Students will also be given contact information to assist them in finding officiating jobs within the community. This course does not satisfy a PE requirement.

Weight Training (7650A)

Prerequisite: None

Credit: 0.5 GPA: 4.0

This elective course is designed to provide students with a variety of opportunities to acquire basic knowledge/skills in weight training. The student will understand key concepts that include analysis of performance, application of principles of movement and principles of training while setting goals to help improve personal skills. The student will create a plan for future physical activities beyond school years. Students will receive individualized instruction on safe and proper lifting techniques. This course does not satisfy a PE requirement.

Personal Training (7660B)

Prerequisite: Health 1, PE 1

Credit: 0.5 GPA: 4.0

This course is designed to prepare students with the knowledge, skills, and competence to conduct fitness assessments and to design exercise programs for various populations. Students will gain practical experience related to healthy fitness management programs, basic exercise physiology and nutrition. Job activities might include fitness testing, identifying risk factors, conducting individual and group exercise programs, counseling clients in behavior modification, and designing individualized fitness programs. The goal is for our students to develop a personal training knowledge base that will make them more marketable for future internships, partnerships, and employment opportunities in the fitness industry. This course does not meet the graduation requirement for Health and PE.

Sports Administration & Sports Management (9826a)

Prerequisite: Must have completed Health and P.E. graduation requirements

Credit: 0.5 GPA: 4.0

This course will combine theory and practical application to provide an overview of all facets of sports administration and sports management. The course will place a focus on the foundations of sports management, sports administration, broadcasting, communications, sports information, parks and recreation management, coaching, and officiating. The instructor will work in conjunction with local universities, colleges, sports governing bodies, parks and recreation agencies, and officiating governing bodies to provide real world experiences for our students. Our goal is to give our students the knowledge base necessary to pursue a career and/or job placement in sports administration and sports management. This course doesn't satisfy a PE requirement.

Strength & Conditioning (7650A)

Prerequisite: Health 1, P.E. 1, Must have a specific sport in mind for training purposes

Credit: 0.5 GPA: 4.0

This familiarizes students to an approach at athletic conditioning and strength training, and promotes the student's knowledge in developing, tracking and learning about resistance training as it relates to athletics. Students develop a weight-training program based on a personal fitness goal. Students will be instructed in basic principles of strength training & conditioning for personal fitness and development. The focus is on strength training which includes instruction in lifts & principles of strength training and conditioning. Students will be provided quality workout opportunity based on the strength training principles taught. Topics include systematic strength training, plyometric (explosion) training, speed & agility training, physiology of exercise, and other training methods. Tests and measurements of fitness, strength, & conditioning, as a means of evaluating progress, will be part of this course. The instructor works with SHS coaches to target sport specific assessments for each student in the class. This course doesn't satisfy a PE requirement.

Driver's Education (S7015)

Prerequisite: Recommended for Grades 10-12

Credit: 0.0

Driver Education is a noncredit course and includes three-phases: a required 90 minute student and parent meeting, student classroom instruction and student on-the-road instruction. Emphasis is placed on attitude and on skills that are vital to basic driving behavior. Much concentration and practice outside of school are mandatory. State minimum requirements of 36 hours in classroom, 7 hours in-car observation, and 7 hours in-car driving must be met.

Health Sciences

Introduction to Health Science (4200)

Prerequisite: None

Credit: 1.0 GPA: 4.0

This course is designed to introduce students to careers in health science including educational requirements and employment opportunities. Topics to be covered include health informatics, therapeutics, support services, diagnostics and biotechnology fields. Students will practice basic procedures and skills associated with health career interactions. Students will enter a rapidly changing workplace, both including different technologies and degrees of diversity. This course will focus on the changing workplace, the importance of developing a strong knowledge base, preparedness to solve complex problems, challenging decision making and abilities to assess ethical implications.

Attention: Introduction to Health Sciences is a prerequisite for the future Salem High School course Emergency Medical Technician 1.

Medical Terminology (8384)

Prerequisite: Introduction to Health Sciences

Credit: 1.0 GPA: 4.0

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.

Medical Assistant 1 (8345)

Prerequisite: Grade 11 or 12, Introduction to Health Sciences

Credit: 2.0 GPA: 4.0 **VWCC** **Pass/Fail**

In the first year of study, students gain foundational knowledge in basic anatomy and physiology, medical ethics, medical asepsis, terminology, medical mathematics, and legal responsibilities. Students will develop skills and techniques to assist the healthcare provider and/or other medical professionals in patient examinations, basic emergency care, and simple laboratory tests.

History & Social Science

Modern World History (2342)

Prerequisite: None

Credit: 1.0 GPA: 4.0

Modern World History incorporates a study of history and geography from the late Middle Ages (1500 AD) to the present with a strong emphasis on the history and development of western civilization. Topics include the evolution of nation-states, scientific and technological revolutions which create new economic models, social and political changes, and the biographies of individuals who contributed to the societal development. Strong connections will be drawn between historical events and contemporary issues.

AP World History: Modern (2342AP)

Prerequisite: Grades 9-12, An "A" in previous Social Studies courses is recommended

Credit: 1.0 GPA: 5.0

This course is an introductory-level college course in modern world history. Students will study the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to present. Students will analyze visual texts, visual sources, and other historical evidence and write essays expressing historical arguments.

Ancient World History (2341)

Prerequisite: Grade 10-12; or Modern World History

Credit: 1.0 GPA: 4.0

Ancient World History examines the historical development of the world, its peoples, and the patterns of life and its development. Students will study their heritage and traditions from prehistory to 1500 AD. The course emphasizes the Greek, Roman, and Byzantine cultures and the role played by the Mediterranean nations in the development of the Western world. Eastern cultures of India, China, Japan, Africa, and Central America will also be examined.

AP Human Geography (2310AP)

Prerequisite: Grades 10-12. A "B" or better in previous Social Studies courses is strongly recommended.

Credit: 1.0 GPA: 5.0

This course is an introductory college-level human geography course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes.

US and Virginia History (2360)

Prerequisite: Grade 11

Credit: 1.0 GPA: 4.0

This course is a survey of United States History from the pre-colonial period to the present. Emphasis is placed on mastering social studies skills, studying important people and events, developing historical concepts, and relating current issues to historical events. The study is chronological and complements 11th grade literature. Virginia and United States History fulfills the United States History requirement for graduation.

AP US/VA History (2319)

Prerequisite: A grade of "A" in previous social studies course is strongly recommended. A pass advanced on a previous SOL writing test is also recommended.

Credit: 1.0 GPA: 5.0

This is the equivalent of a two-semester survey course in college. If dual enrolled, students may earn college credit for HIS 121 and HIS 122 at Virginia Western Community College. Students investigate significant events, individuals, developments, and processes in nine historical periods from 1491 to the present. Strong writing background recommended; AP level essays are a major component of this class. The course includes an end of course AP exam that universities use to evaluate whether qualified students receive college credit or advanced placement.

US and Virginia Government (2440)

Prerequisite: Grade 12

Credit: 1.0 GPA: 4.0

This course surveys the basic principles of American Government and is designed to help students understand the structure, function and operation of local, state and federal government. The course provides an examination of politics, which should be a part of every citizen's education, and fulfills the government requirement for graduation.

AP US/VA Government: (2445)

Prerequisite: Grade 12, US/VA History

Credit: 1.0 GPA: 5.0

This course provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Analysis of Supreme Court cases, policy topics, and constitutional issues will be a focus. Strong writing background recommended; AP level essays are a major component of this class. The course includes an end of course AP exam that universities use to evaluate whether qualified students receive college credit or advanced placement.

African American History (2372)

Prerequisite: None

Credit: 1.0 GPA: 4.0

This course will survey African American history from precolonial Africa through the present. Students will be introduced to key concepts in African American history from early beginnings in indigenous Africa through the transatlantic slave trade, the Civil War, Emancipation, Reconstruction, the Civil Rights era and into the present. The course, offered in a variety of learning models, will give students an opportunity to explore social events and processes, individuals and agency, documents and institutions; and analyze past and present positions for future implications for African Americans. This course does require students to complete a Capstone project. Students will pursue independent research relative to the content on a question or problem of their choice and produce a learning object that reflects a deeper understanding of African American history.

U.S. Wars & Military History (2997)

Prerequisite: None

Credit: 0.5 GPA: 4.0

This course is a survey of the history of the United States Military, and all the branches that comprise it, from the French and Indian War to the present era. Emphasis will be placed on the major conflicts the military has been a part of, and the individual development of each branch of the military.

Practical Law (2420)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Practical Law is designed to help students develop an understanding of basic civil and criminal law and their legal rights and responsibilities. Other areas to be studied include civil rights, juvenile rights, law enforcement procedures and the penal system. Students will visit the local jail, the courthouse, and will attend a jury trial. Law enforcement officers will be invited to speak to the class about their particular interest areas.

Sociology (2500)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Sociology is the study of society, its structure, and its dynamics. There is a major focus on culture and its role in shaping individuals and their values. Modern social problems are also examined. The study is achieved through classroom lecture, discussion, experiments, outside readings, guided research and projects.

Psychology (2900)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Psychology provides students opportunities for understanding themselves. The course provides background for the study of post-secondary psychology through the explanation of its various fields. Emphasis will be on practical insights into everyday behavior and on a survey of the major areas of study in psychology. Topics of study include learning, memory and thought, the body and behavior, sensation and perception, stress, developmental psychology and relational psychology.

AP Psychology (2910AP)

Prerequisite: Grade 11 or 12

Credit: 1.0 GPA: 5.0

This is an introductory college-level psychology course. Students cultivate their understanding of the systematic and scientific study of human behavior and mental processes through inquiry-based investigations as they explore concepts like the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology.

Marketing

Introduction to Fashion Careers (8247)

Prerequisite: 9th or 10th grade; 11th and 12th may only request as an alternate

Credit: 0.5 GPA: 4.0

Introduction to Fashion Careers students learn what it takes to be successful in fashion by exploring careers within the industry. Instruction focuses on hands-on experiences. Students apply the design process from concept to final product and demonstrate basic fashion design techniques. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. Membership in DECA is optional.

Marketing Exploration: Sports & Entertainment (8111e)

Prerequisite: 9th or 10th grade; 11th and 12th may only request as an alternate

Credit: 0.5 GPA: 4.0

Explore the world of marketing to understand its importance in today's society. Students will develop skills related to interpersonal communication, self-presentation, economics, marketing, sales, employability, career discovery, promotion, and ethical decision-making—all essential skills in any career. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization, DECA. Membership in DECA is optional.

Marketing (8120)

Prerequisite: Must be in grade 10-12

Credit: 1.0 GPA: 4.0

Students will learn how products are developed, branded, and sold. They will analyze industry trends and gain hands-on experience in the marketing of goods, services, and ideas and be prepared for success in postsecondary education and employment. Topics include professionalism in the workplace, product planning and positioning, promotion, pricing, selling, economic issues, and changes in the marketplace. Customer Service and Sales certification through the National Retail Federation is available to enrolled students. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization, DECA. Membership in DECA is recommended.

Strategic Marketing (8130a)

Prerequisite: Marketing

Credit: 1.0 GPA: 4.0

In this course, students learn to leverage marketing activities to best differentiate themselves and their businesses. They will participate in supervisory and management activities focusing on the marketing mix, purchasing, financing, human resources, global marketing, pricing, distribution, selling, operations research, and promotion. Students will prepare for marketing careers and postsecondary education, continuing to enhance self-presentation, communication, and leadership skills. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization, DECA. Membership in DECA is highly encouraged.

Attention Co-op Students: Students requesting Co-op classes will not be released early from school until they have a job. Until then, students will stay in school be placed in a study hall.

Co-op: Marketing (8199A) or Strategic Marketing (8199E)

Marketing Co-op Prerequisite: Must be enrolled in Marketing or strategic Marketing; Instructor Permission Required

Strategic Marketing Co-op Prerequisite: Marketing Co-op; Must be enrolled in Strategic Marketing; Instructor Permission Required

Credit: 1.0 GPA: 4.0

Students enrolled in Marketing (8120) or Strategic Marketing (8130) have the opportunity to earn additional credit through participation in a High Quality Work Based Learning (HQWBL) cooperative education (Co-op) program. Co-Op is a HQWBL paid experience that connects CTE classroom instruction and practical work experience. The work experience should relate directly to the student's interests, abilities, and goals as well as the Marketing course in which the student is enrolled. Co-Op combines a rigorous and relevant curriculum with an occupational specialty. Students participating in Co-Op are guided by a formal, written training plan that defines specific academic and workplace skills to be mastered. Students are required to have a minimum of 280 hours of continuous, supervised, on-the-job training during the school year in a local marketing business. Unsatisfactory progress in the student's Marketing class could cause the student to be removed from the Co-Op program.

Mathematics

Algebra 1 (3132)

Prerequisite: None

Credit: 1.0 GPA: 4.0

Algebra 1 is one way to begin the sequence of earning three credits of mathematics. Topics to be studied include fundamental algebraic language, the real number system, linear and quadratic equations and inequalities, polynomials, factoring, coordinate graphing, systems of linear equations and inequalities, rational expressions, radicals, and regression.

Geometry (3143)

Prerequisite: Algebra 1

Credit: 1.0 GPA: 4.0

This course deals with the Euclidean geometry of points, lines, and planes. Emphasis is placed on deductive reasoning and algebraic problem-solving skills through the study of geometric theorems and proofs. Arithmetic and algebraic skills are required. This class includes a study of coordinate and transformational geometry and trigonometry of right triangles.

Algebra Functions and Data Analysis (3134)

Prerequisite: Algebra 1, Grades 10 -12

Credit: 1.0 GPA: 4.0

This course is designed for students who have completed Algebra 1 standards. The content covered includes key topics from Algebra 1 that are expanded to include many of the Algebra 2 standards.

Computer Mathematics (3184)

Prerequisite: Algebra 1; Enrollement in or completion of 2nd year CTE Course is recommended

Credit: 1.0 GPA: 4.0

This course is intended to provide students with experiences in using computer programming techniques and skills to solve problems that can be set up as mathematical models. **This course will not count as a math credit for an advanced diploma and will only count as a math credit for a standard diploma if the student is a Career and Technical Education Completer.**

Algebra 2 (3135)

Prerequisite: Algebra 1 and Geometry

Credit: 1.0 GPA: 4.0

Algebra 2 is designed to be an extension and a reinforcement of Algebra 1. New concepts that broaden algebraic reasoning are introduced. Topics include the study of quadratic equations, radical and rational expressions and equations, transformations, graph analysis, logarithms, arithmetic and geometric sequences and series, polynomials, and statistics.

Algebra 2 with Intro to Trig: Honors (3135H)

Prerequisite: Algebra 1 and Geometry

Credit: 1.0 GPA: 4.5

Algebra 2 with Intro to Trigonometry Honors covers all Algebra 2 Standards of Learning topics and provides students with an introduction to Trigonometry.

Trigonometry (3151)

Prerequisite: Alg. 2 or Alg. 2 with Intro to Trig: Honors

Credit: 1.0 GPA: 4.0

This course builds on the topics covered in Algebra 2. It covers determining the domain, performing operations with transformational graphing and symmetry, and finding inverses of functions, including polynomial, exponential, and logarithmic. It also provides a thorough treatment of trigonometry. Topics studied include trigonometry of right and oblique triangles, The Unit Circle, graphs of trigonometric functions, inverse trigonometric functions, and trigonometric identities and equations.

Liberal Arts Math: Honors (3200H)

Prerequisite: Geometry and Algebra 2; recommended for 12th grade students.

Credit: 1.0 GPA: 4.5

This course's nontraditional treatment of mathematical concepts will help students develop conceptual understanding by supporting them in making connections between concepts and applying previously learned material to new contexts. This course allows students to do mathematics with real data, wherein students will prepare for success in future courses, gain skills for the workplace, and become better-informed consumers of data and reports.

AP Precalculus (3162AP)

Prerequisite: Algebra 2 with Intro to Trig: Honors or Trigonometry

Credit: 1.0 GPA: 5.0

AP Precalculus prepares students for college-level mathematics and science courses and covers content and skills that are foundational for careers in mathematics and science. Students will study numerous function types through graphical, numerical, verbal, and analytical representations, including applications in a variety of contexts. Course topics include polynomial and rational functions, exponential and logarithmic functions, trigonometric and polar functions, and functions involving parameters, vectors, and matrices.

AP Statistics (3192)

Prerequisite: Algebra 2; It is recommended that students have taken either Trigonometry or AP Precalculus.

Credit: 1.0 GPA: 5.0

AP Statistics is equivalent to a one-semester, introductory, non-calculus-based college course in statistics, and covers major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are 4 topics in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

AP Calculus AB (3177)

Prerequisite: Precalculus with Trig: Honors

Credit: 1.0 GPA: 5.0

AP Calculus AB is an introductory college-level calculus course. This course is the study of limits, derivatives, definite and indefinite integrals, and the Fundamental Theorem of Calculus. The course covers material typically included in first semester college calculus.

AP Calculus BC (3178)

Prerequisite: AP Calculus AB

Credit: 1.0 GPA: 5.0

AP Calculus BC extends the content learned in AP Calculus AB. This course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

Performing Arts

Choral Music

Concert Choir (9285)

Prerequisite: Open to all students with interest in singing choral music

Credit: 1.0 GPA: 4.0

This course is open to students in all grades. Correct singing and good musicianship are stressed. Development of musical skills and understanding are emphasized. **This is a performance-based class. After school rehearsals and performances are required unless released by director.**

Chorale (9289)

Prerequisite: Audition

Credit: 1.0 GPA: 4.0

This chorus requires the highest degree of performance from every member and further develops individual vocal skills and musical understanding. Previous training in one of the other choral ensembles is helpful but not necessary. Emphasis is placed on individual vocal production, sight-reading, music fundamentals and vocal techniques. **This is a performance-based class. After-school rehearsals and performances are required unless released by director.**

Vocal Ensemble (9280VE)

Prerequisite: Audition

Credit: 1.0 GPA: 4.0

This choir is an intermediate level, auditioned ensemble. Repertoire will be challenging and prior experience in other choral ensembles is recommended but not required. The following fundamentals of good choral singing will be further developed: musical literacy, healthy tone production, and musicianship. **This is a performance-based class. After school rehearsals and performances are required unless released by director.**

Salem Singers (9280SS)

Prerequisite: Audition

Credit: 1.0 GPA: 4.0

This select small choral ensemble focuses on small choral ensemble literature and technique. This course requires a high degree of performance from each member and further develops individual vocal and ensemble skills as well as execution of choreography. Previous or concurrent training in Chorale is recommended. Emphasis is placed on a variety of vocal techniques consistent with the styles of literature, a capella singing, sight-reading, ear training and vocal improvisation. **This is a performance-based class. After-school rehearsals and performances are required unless released by director.**

Instrumental Music

Concert Band (9233)

Prerequisite: Open to all students, **but must have instrumental experience**

Credit: 1.0 GPA: 4.0

This course is primarily for entry-level students who would like to improve their instrumental skills. Emphasis is on group instruction, and private practice by the student. Students who progress at a rapid rate may be selected to perform with the Symphonic Band. **This is a performance-based class, and after school rehearsals and performances are required unless released by director.**

Symphonic Band (9298)

Prerequisite: Audition

Credit: 1.0 GPA: 4.0

Students in this group already read music and want to improve their instrumental skills. Emphasis is placed on learning to perform with a group of musicians at a higher level. **This is a performance-based class, and after school rehearsals and performances are required unless released by director.**

AP Music Theory (9226AP)

Prerequisite: A recommended Grade of a "B" or better in English 10.

Credit: 1.0 GPA: 5.0

Music Theory is an introductory college-level music theory course. Students cultivate their understanding of music theory through analyzing performed and notated music as they explore concepts like pitch, rhythm, form, and musical design.

Marching Band (9296)

Co-requisite for Instrumentalists: Enrollment in an additional band class or instructor permission.

Prerequisite for Auxiliaries: Audition/instructor permission.

Credit: 0.5 GPA: 4.0

This award-winning organization performs at SHS football games, parades in the community, and at contests with other high school bands. An audition is required. At times the contests require the band to travel out of state on overnight trips. **There is a financial commitment required to be a member.** Marching band begins rehearsals in late July/early August (depending on the school calendar). Students typically rehearse 4 days a week before school begins and attend band camp for 1 week out of town. During the first semester, the band rehearses 2 days a week after school. Students who play the piano can perform with the band on keyboard instruments. Membership in the organization is voluntary; however, participation in a band class is required unless excused by the Director. There will be open tryouts for students wishing to participate exclusively in auxiliary units (flags, rifles, sabres, dance, etc.) Members of the Auxiliary do not have to be enrolled in a band class.

This is a performance-based class, and all rehearsals rehearsals and performances are required unless excused in advance by the Director.

Percussion Ensemble (9250)

Prerequisite: Audition

Credit: 1.0 GPA: 4.0

The percussion ensemble provides an opportunity for students to perform music written for that particular instrumentation. In addition to that body of literature, transcriptions of large orchestral works and smaller chamber ensembles are often included in the programming for the semester, allowing percussionists the opportunity to participate in the performance of music that does not require percussion, but that would be a valuable vehicle in the development of the student's musical awareness of form, style, interpretation.

Jazz Band (9297)

Prerequisite: Audition

Credit: 1.0 GPA: 4.0

This advanced music ensemble allows students to perform jazz music. This course requires the highest degree of performance from members, and further develops instrumental skills and techniques. Emphasis is placed on improvisation, sight-reading, and ensemble playing. Students have numerous opportunities to perform publicly. **This is a performance-based class. After school rehearsals and performances are required unless released by director.**

Theatre

Drama 1: Intro to Drama (1410)

Prerequisite: None

Credit: 1.0 GPA: 4.0

This course teaches basic theater arts skills. Improvisation, acting, theater history, and technical theater are a few of the units covered in the course. Any student enrolling in Drama 1 must expect to participate actively on a daily basis.

Drama 2: Performance & Stagecraft (1420)

Prerequisite: Drama 1 and audition

Credit: 1.0 GPA: 4.0

This class continues the study of theater crafts with emphasis on acting, direction, lighting, set construction, and scene design. The course includes the reading, analyzing, and studying of plays. The class performs for an audience and may attend local theater productions. Audition is required.

Drama 3: Leadership & Production (1430)

Prerequisite: Drama 2 and audition

Credit: 1.0 GPA: 4.0

This course continues learning of theater from a leadership position. Students involved will work closely with their teacher to direct and / or take part in technical elements of a production as well as other major class projects. Drama 3 students will work closely with Drama 2 students. Audition is required.

Salem Theater (1440)

Prerequisite: Drama 2 and audition required

Credit: 1.0 GPA: 4.0

This is an intensive course of study emphasizing research and analysis as it applies to theatrical production. Students read and analyze plays as an actor, director, and designer. Students also research historical and stylistic movements and their effects on the development of theater. Students are required to perform in an original play, present an oral analysis of a play, and participate in productions. Audition is required.

Science

Earth Science (4210)

Prerequisite: None

Credit: 1.0 GPA: 4.0

Earth Science is a content based course designed to develop an understanding of the interrelationships between meteorology, geology, oceanography, and astronomy. Hands-on activities and visual aides provide emphasis and interpret the continual changes of the earth. Key topics include Virginia's geologic development, natural resources, and the Earth's composition, structure, history, and total environment.

Biology (4310)

Prerequisite: None

Credit: 1.0 GPA: 4.0

Biology provides a detailed understanding of living systems. Emphasis is on laboratory activities with controlled experiments and dissection. Key topics include biochemical life processes, cellular organization, classification, genetics, evolution, and ecology. It presents the fundamentals of science stressing the importance of scientific research and the application of scientific concepts to everyday life.

AP Biology (4390AP)

Prerequisite: Biology and Chemistry

Credit: 1.0 GPA: 5.0

This course is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions.

Chemistry (4410)

Prerequisite: Algebra 1; Grades 10, 11, or 12; A strong math background is recommended because Chemistry is a math oriented course.

Credit: 1.0 GPA: 4.0

Chemistry is a very math-intensive course. This college preparatory course provides an introduction to the concepts of chemistry necessary to study chemistry at the college or nursing school level. Students interested in attending college at a four-year or two-year university should take this course. Units of study include: theories and mathematical concepts of matter, physical/chemical changes, the mole concept of equations and related mathematical problems, the periodic table, atomic/molecular structures, and a brief introduction to organic and nuclear chemistries, solutions, and acids/bases.

AP Chemistry (4480AP)

Prerequisite: Chemistry

Credit: 1.0 GPA: 5.0

This is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy.

Anatomy and Physiology (4330)

Prerequisite: Grade 12; Biology

Credit: 1.0 GPA: 4.0

This course is designed for students in twelfth grade who are interested in advanced science, nursing, pharmacy, or other medically related fields. Basic chemistry of the body, cells and tissues, and the nine systems of the vertebrate animal are studied. Special emphasis is placed on exploring mammalian structure through dissection.

Physics (4511)

Prerequisite: Completed or enrolled in Algebra 2,
Strongly recommended that students are currently in a math class.

Credit: 1.0 GPA: 4.0

A first-year Physics course which covers the topics of one and two-dimensional motion, energy conservation, gravitational and circular motion, electricity and magnetism, momentum, and fluid dynamics. This requires students to use mathematical reasoning and experimental skills to solve problems. Students who expect to study engineering, medicine, or any science discipline are advised to enroll.

AP Physics 1 (4580AP)

Prerequisite: Completion of Algebra 2 or concurrent enrollment. Grade 11 or 12.

Credit: 1.0 GPA: 5.0

A first or second year, algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like, systems, fields, force interactions, change, conservation, and waves. Topics of study match a typical sequence of a first semester college physics course; 1 & 2 dimensional motion, harmonic & circular motion, universal gravitation, energy & momentum, and rotational dynamics.

AP Physics 2 (4582AP)

Prerequisite: Completion of Algebra 2 or concurrent enrollment. Completion of Physics or AP Physics 1.

Credit: 1.0 GPA: 5.0

A second year algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, waves, and probability. Topics of study match a typical sequence of a second semester college physics course; fluid statics & dynamics, thermodynamics, electric & magnetic fields, electric circuits, optics, and atomic & nuclear physics.

AP Physics C (Mechanics) (4581AP)

Prerequisite: Completion of AP Calculus AB or concurrent enrollment.

Credit: 1.0 GPA: 5.0

A first or second year calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in one of the physical sciences or engineering. Students cultivate their understanding of physics through classroom study and activities as well as hands-on laboratory work as they explore concepts like systems, fields, force interactions, and conservation. Topics of study match a typical sequence of a first semester college physics course; 1 & 2 dimensional motion, harmonic & circular motion, universal gravitation, energy & momentum, and rotational dynamics.

Environmental Science (4611)

Prerequisite: Grade 11 or 12; Earth Science or Biology

Credit: 1.0 GPA: 4.0

Environmental Science covers the following areas: biodiversity, population studies, pollution, natural resources, ecosystems and biomes, atmosphere and climate change, and food and agriculture. Students will investigate these areas through projects, lab work, and discussions.

AP Environmental Science (4270)

Prerequisite: Biology & One Additional Science Course

Credit: 1.0 GPA: 5.0

The goal of the AP Environmental Science course is to provide 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. The AP Environmental Science exam will be given in May.

Physical Science 2 (4610)

Prerequisite: Grade 11 or 12; Earth Science & Biology;

Credit: 1.0 GPA: 4.0

This introductory course is designed to expose students to the fundamental elements of chemistry and physics and increase students' understanding of basic math as it applies to the physical world. Emphasis is on hands-on activities and controlled laboratory experiments that explore scientific measurements, motion, kinematics, forces, Newton's Laws, gravity, momentum, work and energy, and fluid mechanics. Students will also investigate the properties of matter, the classification of matter, and the historical models of matter, examining the atomic structure, distinguishing between physical and chemical changes, exploring the design of the periodic table, and as well as a brief introduction to the basics of chemical reactions.

Special Education

All special education students and their parents or guardians participate in developing an individualized educational program (IEP) of studies.

Education for Work

EFW (1 or .5 credit) (0960 or 0960B)

EFW Co-op (1 or 2 credit) (0963) (0962)

Prerequisite: Special Education Students in Grades 10-12

Credit: 1.0 (or 0.5) GPA: 4.0

This course is recommended for students preparing for the world of work following high school. Instruction will include: reasons people work, interests, aptitudes and skills, job selection, locating employers and career exploration, planning and decision making. Students will have the opportunity to complete simulation activities, interests and aptitude inventories as well as regular textbook practices. Class activities will include: lecture/demonstration, group process, individual projects, guest lecture and field trips as appropriate.

The EFW Co-op is a course that facilitates movement or transition toward increased integration of students with disabilities into both in-school and community-based on-the-job training experiences. Instructional priorities for each student are based on real world needs and lead toward increased independence and autonomy in his or her home and community. The focus of the course is meaningful, functional, and age appropriate in the school and community environment, using naturally-occurring materials and situations. Instruction is developed and driven by individual strengths and needs, using consistent teaching strategies as well as accommodations designed to enhance the student's participation in typical life activities. Co-op opportunities with employers for on-the-job training.

Resource (0971-Sem 1; 0970-Sem 2)

Prerequisite: Special Education Students in Grades 9-12
Credit: 0.0 GPA: none

This class is designed for students requiring additional academic support beyond the regular classroom. Focus is given to developing learning and study strategies. Students will be expected to define compensatory skills to facilitate active learning in the regular classroom setting. Class activities will include but not be limited to time management, goal setting, problem solving and assignment analysis.

Supplemental Math Skills

(S0909A - 1st Sem; S0909B - 2nd Sem)

Prerequisite: Determined by Case Manager through IEP
Credit: 0.5 GPA: 4.0

Students receive both group and individualized instruction in this semester course designed to improve skills and processes necessary for the Algebra 1 and Geometry SOLs. This course also supports classroom instruction for both Algebra 1 and Geometry.

Supplemental English Skills

(S0908A - 1st Sem; S0908B - 2nd Sem)

Prerequisite: Determined by Case Manager through IEP
Credit: 0.5 GPA: 4.0

This semester course supports reading instruction to prepare students for the reading and writing SOLs. Students receive individualized reading instruction based on their current reading level and instructional needs. This course works with students to increase reading comprehension, fluency, and decoding skills to make connections needed for meaningful interactions with text.

Life Skills (S0161, S0161A or S0161B)

Prerequisite: Determined by Case Manager through IEP
Credit: 1.0 (0.5) GPA: 4.0

This special education course is designed to meet individual needs of students as they transition from high school to adult living. The course emphasizes goal-setting, decision making and problem solving, communication, healthy lifestyles and relationships, nutrition, personal safety, citizenship and consumerism. The life skills curriculum changes each year based on student's needs and family input.

Adaptive Health (S0140)

Prerequisite: None

Credit: 0.5 GPA: 4.0

This Special Education Adaptive Health and Safety course is a semester course for students in grades 9-12. The course provides students with the skills needed to make decisions that will affect their lives today and in the future. Topics include personal hygiene, proper nutrition, decision-making, sexuality, and First Aid/CPR.

Interpersonal Relations (7892 A or B)

Prerequisite: Determined by Case Manager through IEP

Credit: 0.5 GPA: 4.0

This course is designed to increase students' understanding of social skills and interpersonal relations. Students will be directly instructed in social skills topics related to their areas of need. Some areas may include: initiating conversations, maintaining conversations, taking turns to speak, nonverbal expressions, nonverbal actions, sarcasm, voice tone and volume, and other topics related to what skills the students are lacking or those skills needing improvement. The course is recommended for students with disabilities that need instruction in appropriate social skills. Students should be referred to the course by case managers.

Consumer Mathematics (S0317)

Prerequisite: Recommended for Grade 11, 12

Credit: 1.0 GPA: 4.0

This course is designed to increase students' understanding and applications of basic consumer skills that will help prepare them for making wise decisions during "life after graduation." It includes the study of personal income and banking, purchasing food and clothing, renting or buying a place to live, the purchase and maintenance of a car including insurance and taxes. Also included are the applications of ratios, proportions, percents and the mathematics of budgeting personal income. This course is recommended for juniors and seniors as a final math course.

Adaptive Art (S0112)

Prerequisite: None

Credit: 1.0 GPA: 4.0

This special education course focuses on improving the creativity and fine motor skills of students with unique needs by providing meaningful art experiences. Processes explored include (but are not limited to) drawing, painting, printing, and sculpting.

Adaptive Music (S9296)

Prerequisite: None

Credit: 0.5 GPA: 4.0

In this class, students will be introduced to the basic fundamentals of music. Topics covered will include: basic music theory, rhythm practice, and music history. Students will also be introduced to a variety of musical instruments, and have opportunities to play percussion instruments collaboratively.

Adaptive Physical Education (S0701)

Prerequisite: None

Credit: 0.5 GPA: 4.0

This course is structured to meet the needs of the permanently or temporarily disabled students. Such students require individualized instruction based upon their needs. This course will focus on enhancing physical fitness, muscle strength, flexibility, endurance, coordination and social development through a wide variety of activities and skill based movement.

Technology Education

Basic Technical Drawing (8435)

Prerequisite: None

Credit: 1.0 GPA: 4.0

This course is the first in a series of engineering courses explaining the fundamentals of drafting. Students discover and develop their talents in basic drafting with respect to industrial processes. Experience will be gained with all drawing tools and equipment with extensive use of computer-aided drafting. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization TSA Membership in TSA is optional.

Engineering Drawing (8436)

Prerequisite: Basic Technical Drawing

Credit: 1.0 GPA: 4.0

Engineering Drawing is a continuation of Basic Technical Drawing with emphasis on mechanical engineering. Students experience in greater depth the skills and techniques of mechanical engineering in a laboratory-oriented course. Typical engineering design problems will be stressed and explored. There will be advanced assignments and applications in computer-aided design.

Architectural Drawing (8437)

Prerequisite: Basic Technical Drawing

Credit: 1.0 GPA: 4.0

Architectural Drawing emphasizes designing a home of the student's choice and making a complete set of plans for that home. The student will draw floor plans; electrical plans; exterior elevations; detail drawing of walls, stairs, fireplaces, and other illustrations of the house. Advanced applications in computer-aided design will be stressed heavily. This course provides information helpful to the future homeowner, homebuilder, interior designer, interior decorator, or future architect. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization TSA Membership in TSA is optional.

Robotics (8421)

Prerequisite: None

Credit: 1.0 GPA: 4.0

Students will engage in the study of computers and microprocessors and their applications to manufacturing, transportation, and communication systems. Topics include computer equipment and operating systems, robotics, programming, control systems, and social/cultural impact of these technologies. Problem-solving activities would challenge students to design, program, and interface devices with computer systems. Learning activities include robotics, computer-aided design, computer-aided manufacturing, and design and control of electromechanical devices. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization TSA Membership in TSA is optional.

Mechatronics (8425)

Prerequisite: Robotics or Instructor Approval

Credit: 1.0 GPA: 4.0

This course provides an orientation to careers in various field of manufacturing. Mechatronics is a blend of mechanical engineering, electrical engineering, computer control and information technology. This class will allow students to experience many fields of engineering. Emphasis will be placed on robotics and automated manufacturing production processes. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization TSA Membership in TSA is optional.

Robotics 2 (Internship) (8403)

Prerequisite: Robotics, Mechatronics; Instructor Permission; 11-12 grade

Credit: 1.0 GPA: 4.0

Students will expand their understanding and knowledge of robotics by serving as interns/student leaders in the Robotics 1 classes and by working on specialized projects.

Trades & Industrial Education

Intro to Trade & Industry (9075)

Prerequisite: 9th or 10th grade; 11th and 12th may only request as an alternate

Credit: 0.5 GPA: 4.0

This course is designed to provide students with an introduction to Automotive & Diesel Technology, Auto Body, and Welding. Topics will include career strategies, safety, tools, analysis, introductory auto mechanics, introductory auto body, and introductory welding. Students signing up for this course will complete three 6 week rotation exploratories of each of these three fields. Students enrolled in the class will take the Workplace Readiness Skills Test. Students enrolled in this class will have the opportunity to join the Career and Technical Student Organization SKILLS USA. Membership in SKILLS USA is optional.

Auto Body 1 (8676)

Prerequisite: Grades 10-11; Intro to Trade and Industry
Recommended: Grade 12 May only request as an alternate.

Credit: 1.0 GPA: 4.0

Auto Body 1 is a one-period year course designed to train students for entry level employment in the auto body service area. Students will receive training in all phases of restoring damaged vehicles. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Auto Body 2 (8677)

Prerequisite: Auto Body 1

Credit: 2.0 GPA: 4.0

Auto Body 2 is a two-period block, yearlong course designed to advance students for employment in the auto body service area. Students will be trained on modern up-to-date equipment including a complete paint booth. Auto Body 2 students may participate in local, state, and national Skills USA events. Skills USA Club membership is recommended. Co-op is available for students who meet all of the requirements. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Auto Body 3 (8678A)

Prerequisite: Auto Body 2 and instructor permission

Credit: 2.0-3.0 GPA: 4.0

This course builds upon the skills learned in Auto Body 2. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Automotive Technology 1 (8506)

Prerequisite: Grades 10-11; Intro to Trade and Industry
Recommended: Grade 12 May only request as an alternate.

Credit: 1.0 GPA: 4.0

In this course, students explore, handle, and perform basic functions in engine repair, automatic transmission and transaxle, manual drive train and axles, suspension and steering systems, and brakes as they prepare for the ASE (Automotive Service Excellence) certifications. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Automotive Technology 2 (8507)

Prerequisite: Grades 11-12; Automotive Technology 1 or Diesel Equipment Technology 1

Credit: 2.0 GPA: 4.0

In this course, students build upon their basic knowledge of automotive technology, exploring more advanced tasks in engine repair, automatic transmission and transaxle, manual drive train and axles, suspension and steering systems, and brakes. They also learn about electrical, electronic, and HVAC systems in automobiles. Upon successful completion of the course, students will be eligible to take the Entry Level Automotive Service Excellence (ASE)

Student Certification examinations. Students are encouraged to participate in SkillsUSA, our student organization. Students will be a part of the Spartan Automotive workplace simulation program where students work on customer vehicles in our shop. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Automotive Technology 3 (8508A)

Prerequisite: Automotive Technology 2 and instructor permission.

Credit: 2.0-3.0 GPA: 4.0

This course prepares students to perform automotive diagnosis and repairs in the following areas: engine repair, cooling systems, transmission and transaxle, manual drive trains and axles, suspension and steering, wheel and tire, brakes, electrical/electronic systems, HVAC, and engine performance. Students are provided with more advanced instruction in all systems as they prepare for the Automotive Service Excellence (ASE) certification examinations. The Automotive Technology program provides the fundamental skills necessary to succeed in an ever-changing and challenging industry as an automotive technician. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Diesel Equipment Technology 1 (8613)

Prerequisite: Grades 10-11; Intro to Trade and Industry
Recommended Grade 12 May only request as an alternate.

Credit 1.0 GPA: 4.0

Students receive basic instruction in general maintenance of medium- and heavy-duty diesel trucks and equipment. They learn theory and operation of diesel engines, brakes, suspension and steering systems, and electrical/electronic systems. Students are instructed in heavy truck and equipment preventive maintenance and inspection procedures. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Diesel Equipment Technology 2 (8614)

Prerequisite: Grades 11-12; Diesel Equipment Tech 1

Credit 2.0 GPA: 4.0

Students receive basic instruction in diagnosis and adjustment of medium and heavy duty diesel trucks and equipment. They apply theory and maintain operation of diesel engines, brakes, suspension and steering systems, and electrical/electronic systems. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Diesel Equipment Technology 3 (8615)

Prerequisite: Grade 12; Diesel Equipment Tech 2 and instructor permission

Credit 2.0 GPA: 4.0

Students receive advanced instruction in the repair of medium- and heavy-duty diesel trucks and equipment. They repair diesel engines, drive trains, brakes, suspension and steering systems, electrical/electronic systems, HVAC systems, and hydraulics systems. Students are also instructed in preventive maintenance and inspection procedures. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Welding 1 (8672)

Prerequisite: Grades 10-11; Intro to Trade and Industry Recommended. Grade 12 May only request as an alternate.

Credit: 1.0 GPA: 4.0

Welding I is a one period year long course designed to teach the safe and proficient use of all welding equipment/processes in flat, horizontal, and vertical welding positions. Additionally, students will fabricate and design welding projects using blueprints as a guide. Students are encouraged to participate in SkillsUSA. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Welding 2 (8673)

Prerequisite: Welding 1; Grade 11 or 12

Credit: 2.0 GPA: 4.0 **VWCC**

Welding 2 is a two period year long course. Students will focus on demonstrating mastery of SMAW (Shielded Metal Arc Welding) and GMAW (Gas Metal Arc Welding) by successfully passing welding qualifications in accordance with the American Welding Society D1.1 "Structural Steel Welding Code" during this course. Additionally, there will be an emphasis on fabrication and design with the expectation for students to participate in the Simulated Workplace Program. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Welding 3 (8674)

Prerequisite: Welding 2; Grade 12; instructor permission

Credit: 2.0 GPA: 4.0

This course builds upon the skills learned in Welding 2. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Cosmetology I (8527)

Prerequisite: 9-10 Grade, Completed Application, Students in Grade 11 and 12 may only request Cosmetology 1 as an alternate

Credit: 2.0 GPA: 4.0

In this course, students study hair, skin, and nails and their related care. Students are grounded in theory and prepare to practice procedures in a clinical lab setting or classroom, using manikins for manipulative skill practice. The course

emphasizes personal safety, professionalism, and sanitation and disinfection of equipment and facilities. Students develop skills in shampooing and conditioning hair, as well as styling and cutting hair. They are introduced to chemical texture services and develop skills in manicure and pedicure procedures. Cosmetology students must satisfy a minimum of 840 hours of instruction in a three-year coherent sequence of courses to be eligible to take the Board for Barbers and Cosmetology licensing examination. Upon successful completion of the program, students may earn the Virginia Board for Barbers and Cosmetology license. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Cosmetology 2 (8528)

Prerequisite: Cosmetology 1 and Grades 10-11. Students in Grade 12 may only request Cosmetology 2 as an alternate.

Credit: 2.0 GPA: 4.0

In this continuing course, students build on their theoretical foundation of general sciences and practices in cosmetology to increase proficiency in hair cutting and styling on live models, with attention to professionalism, client consultation, safety, and infection control. Students are trained in safe chemical processes related to permanent waves, relaxers, lightening, and coloring hair. In addition, students learn to care for skin, hands, and feet, developing experience in providing facials, manicures, pedicures, and nail enhancements. Students will be introduced to a business management unit with a focus on managing the salon. Cosmetology students must satisfy a minimum of 840 hours of instruction in a three-year coherent sequence of courses to be eligible to take the Board for Barbers and Cosmetology licensing examination. Upon successful completion of the program, students may earn the Virginia Board for Barbers and Cosmetology license. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Cosmetology 3 (8529)

Prerequisite: Cosmetology 2

Credit: 2.0 GPA: 4.0

In this advanced course, students build on their theoretical foundation of general sciences and practices in cosmetology to increase proficiency in hair cutting and styling on live models, with attention to professionalism, client consultation, safety, and infection control. Students are trained in safe chemical processes related to chemical texture services and advanced hair coloring techniques. They also develop artistic skills with wigs and hair additions. In addition, 3rd year students learn to care for skin, hands, and feet, developing experience in providing facials, manicures, pedicures, and nail enhancements. An advanced business management unit focuses on managing the salon. Competency completion prepares the student for the Virginia State Licensing Exam. Students can combine classroom instruction and supervised on-the-job training in an approved position or internship with continuing supervision throughout the school year. Cosmetology students must satisfy a minimum of 840 hours of instruction in a three-year coherent sequence of courses to be eligible to take the Board for

Barbers and Cosmetology licensing examination. Upon successful completion of the program, students may earn the Virginia Board for Barbers and Cosmetology license.. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

T & I Co-op (8508B, 8678B, 8674B))

Prerequisite: Grade 12; Must be in Automotive Technology 3, Auto Body 3, or Welding 3; Instructor Permission is Required

Credit: 1.0 GPA: 4.0

The T&I Co-op allows students in the 3rd year of a trades class to earn additional credit and gain valuable work experience by working in the Automotive, Collision Repair, or Welding Industries. Students must have a minimum of 396 hours of continuous, supervised, on-the-job training during the school year in an instructor approved business.

Note: Students requesting Co-op will have a study hall and will NOT be released early from school until they have an approved and verified job and have turned in all necessary Co-op paperwork. Additionally, Unsatisfactory progress in their trades class will result in removal from the Co-op privilege, and if any student enrolled in the T&I Co-op loses or quits the approved job, the student will return to a study hall and will NOT be allowed to leave school early.

World Languages

Students requesting a 1st year World Language also MUST make an alternate language choice.

French

French 1 (5110)

Prerequisite: A grade of "C" or better in current English and Math class is strongly recommended

Credit: 1.0 GPA: 4.0

This course is designed to introduce the student to the French language using everyday French vocabulary. The student will develop novice level interpersonal, interpretive, and presentational modes of communication and will be able to describe self and family members. The geography and the culture of France and other French speaking countries are also introduced.

French 2 (5120)

Prerequisite: French 1; A grade of "C" or better in French 1 is strongly recommended

Credit: 1.0 GPA: 4.0

French 2 further develops the skills of listening, speaking, reading and writing in the language. A more formal study of grammar and vocabulary building is stressed and accomplished through drills, readings, and written original paragraphs. Cultural awareness development continues.

French 3 (5130)

Prerequisite: French 2; A grade of "C" or better in French 2 is strongly recommended

Credit: 1.0 GPA: 4.0

This course is designed for the serious language student who has excelled in Levels 1 and 2. It offers an in-depth study of grammar and vocabulary which provide the means for student expression in spoken and written form. Emphasis is placed on the student's ability to respond to and communicate practical needs and opinions and to extract information from different texts. Daily class participation in the language is expected. The course fulfills the requirement for the advanced studies diploma as well as preparing students for the next two levels of the International Baccalaureate course of study.

French 4 (5140)

Prerequisite: French 3; A grade of "B" or better in French 3 is strongly recommended

Credit: 1.0 GPA: 4.0

Students will develop the ability to effectively communicate orally, through writing, and in response to spoken language. Students will have the opportunity to reach a high degree of competence in French and explore the cultures using the language.

AP French Language & Culture (5150AP)

Prerequisite: French 4

Credit: 1.0 GPA: 5.0

This course is equivalent to an intermediate level college course in French. Students cultivate their understanding of French language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges.

German

German 1 (5210)

Prerequisite: A grade of "C" or better in current English and Math class is strongly recommended

Credit: 1.0 GPA: 4.0

This course is designed to introduce the student to the German language and culture using everyday German vocabulary. The student will develop novice level interpersonal, interpretive, and presentational modes of communication and will be able to describe self and family members.

German 2 (5220)

Prerequisite: German 1; A grade of "C" or better in German 1 is strongly recommended

Credit: 1.0 GPA: 4.0

This course further develops the interpersonal, interpretive, and presentational modes of communication at the novice high and intermediate low levels. Students will express information about others and their community. Vocabulary building is stressed and accomplished through numerous listening, reading, writing, and speaking activities. Students will learn about customs and traditions in various German speaking countries.

German 3 (5230)

Prerequisite: German 2; A grade of "C" or better in German 2 is strongly recommended

Credit: 1.0 GPA: 4.0

This course is designed for the serious language learner who has excelled in German 1 & 2 and desires to develop interpersonal, interpretive, and presentational modes of communication at the intermediate level. Students will express information about their community and world while learning about history and culture of German speaking countries. Emphasis is placed on responding to and communicating practical needs and expressing opinions. The course fulfills the requirement for the advanced studies diploma.

German 4 (5240)

Prerequisite: German 3; A grade of "B" or better in German 3 is strongly recommended. Grade 11 or 12.

Credit: 1.0 GPA: 4.0

Oral presentations, text handling, portfolio preparation, advanced grammar, and the development of listening comprehension and speaking skills are emphasized.

AP German Language & Culture (5250AP)

Prerequisite: German 4

Credit: 1.0 GPA: 5.0

This course is equivalent to an intermediate level college course in German. Students cultivate their understanding of German language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.

Spanish

Spanish 1 (5510)

Prerequisite: A grade of "C" or better in current English and Math class is strongly recommended

Credit: 1.0 GPA: 4.0

This course is designed to introduce the student to the Spanish language and culture using everyday Spanish vocabulary. The student will develop novice level interpersonal, interpretive, and presentational modes of communication and will be able to describe self and family members.

Spanish 2 (5520)

Prerequisite: Spanish 1; A grade of "C" or better in Spanish 1 is strongly recommended.

Credit: 1.0 GPA: 4.0

This course further develops the interpersonal, interpretive, and presentational modes of communication at the novice high and intermediate low levels. Students will express information about others and their community. Vocabulary building is stressed and accomplished through numerous listening, reading, writing, and speaking activities. Students will learn about customs and traditions in various Spanish speaking countries.

Spanish 3 (5530)

Prerequisite: Spanish 2; A grade of "C" or better in Spanish 2 is strongly recommended

Credit: 1.0 GPA: 4.0

This course is designed for the serious language learner who has excelled in Spanish 1 & 2 and desires to develop interpersonal, interpretive, and presentational modes of communication at the intermediate level. Students will express information about their community and world while learning about history and culture of Spanish speaking countries. Emphasis is placed on responding to and communicating practical needs and expressing opinions. The course fulfills the requirement for the advanced studies diploma as well as prepares students for the next level of the International Baccalaureate course of study.

Spanish 4 (5540a)

Prerequisite: Spanish 3; A grade of "B" or better in Spanish 3 is strongly recommended. Grade 11 or 12.

Credit: 1.0 GPA: 4.0

This course is designed for the serious language learner who has excelled in Spanish. Students will develop the ability to effectively communicate in the three modes of communication.

AP Spanish Language & Culture (5550AP)

Prerequisite: Spanish 4

Credit: 1.0 GPA: 5.0

This course is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.

Heritage Speakers (5540)

Prerequisite: None for heritage learners, Spanish 4 and teacher recommendation for non-heritage learners.

Credit: 1.0 GPA: 4.0

Heritage Speakers is an opportunity for native speakers to develop formal language skills in Spanish. Students will learn about diverse cultures and current events, especially those affecting the Spanish-speaking world. With study of authentic texts, students will improve their reading comprehension abilities. They will also develop their formal communication through oral presentations and essay writing. Instruction will emphasize the rules of Spanish phonetics and grammar, to support students' accurate communication across skill domains.

En este curso aprenderás sobre las diversas culturas y los eventos actuales del mundo, en específico los que afectan al mundo hispanohablante. Mejorarás tu comprensión de lectura en español. También desarrollarás tus competencias comunicativas orales y escritas.

SHS Electives

ART

Adobe Illustrator
Adobe Photoshop
Advanced Drawing
Advanced Graphic Arts
Advanced Painting
AP Art & Design
Art Foundations
Beginning Painting
Ceramics 1
Ceramics 2
Ceramics 3
Digital Photography

BUSINESS

Accounting
AP Economics
Business Law
COE
Computer Information Systems
Design, Multimedia, and Web Technologies
Honors Business Management
Microsoft Office
Economics and Personal Finance

COMPUTER SCIENCE

AP Computer Science A (Java)
AP Computer Science Principles
App Development
Coding 2D Games
Cybersecurity 1
Discovering Computer Science
Cybersecurity & Me

ENGLISH

Creative Writing 1
Creative Writing 2
Classical Mythology
Photojournalism: Yearbook

FAMILY AND CONSUMER SCIENCES

Culinary Essentials
Exploring Foods
Gourmet Cuisine
Early Childhood Education 1
Early Childhood Education 2
FACS Internship
Intro to Early Childhood Education

WORLD LANGUAGES

French 1, 2, 3, 4, & AP
German 1, 2, 3, 4, & AP
Spanish 1, 2, 3, 4, & AP
Heritage Speakers

HISTORY AND SOCIAL SCIENCES

African American History
AP Psychology
Practical Law
Psychology
Sociology
U.S. Wars & Military History

HEALTH SCIENCES

Introduction to Health Science
Medical Assistant 1 & 2
Medical Terminology

MARKETING

Introduction to Fashion Careers
Marketing
Marketing co-op
Marketing Exploration: Sports and Entertainment
Strategic Marketing
Strategic Marketing co-op

PERFORMING ARTS

AP Music Theory
Chorale
Concert Band
Concert Choir
Drama 1, 2, & 3
Jazz Band
Marching Band
Percussion Ensemble
Salem Singers
Salem Theater
Symphonic Band
Vocal Ensemble

PHYSICAL EDUCATION

Driver's Education
Health 1 (Online)
Health 2
Introduction to Officiating
PE 2 - Lifetime Fitness
Personal Training
PE 2 - Rhythmic Movements
Introduction to Sports Medicine
Sports Medicine 2
Sports Medicine 3 Internship
Strength and Conditioning for Athletes
Sports Administration and Management
Weight Training

TECHNOLOGY EDUCATION

Architectural Drawing
Basic Technical Drawing
Engineering Drawing
Mechatronics
Robotics
Robotics 2 (Internship)

TRADES AND INDUSTRIAL EDUCATION

Auto Body 1, 2, 3
Automotive Technology 1, 2, 3
Cosmetology 1, 2, 3
Diesel Equipment Technology 1, 2, 3
Introduction to Trade & Industry
Welding 1, 2, 3
T & I Coop

Salem High School Course

	Grade 8	Grade 9	Grade 10
English	English 8	English 9	English 10
		English 9 Honors	English 10 Honors

	Grade 8	Grade 9	Grade 10
Science	Physical Science	Earth Science	Biology
		Biology	Chemistry

	Grade 8	Grade 9	Grade 10
Social Studies	World Geography	Modern World History	<i>(none required for Standard Diploma or for Adv Diploma if World Geography credit earned at ALMS)</i>
			Ancient World History
		AP Modern World History	AP Human Geography

	Grade 8	Grade 9	Grade 10
Math	Pre-Algebra	Algebra 1	AFDA
			Geometry
	Algebra 1	Geometry	AFDA
			Algebra 2
			Algebra 2 w/Intro to Trig Honors
	Geometry	Algebra 2	Trigonometry
		Algebra 2 w/Intro to Trig Honors	AP Precalculus

Sequence Chart

Grade 11	Grade 12
English 11	English 12 or English 12 CP
English 11 CP	English 12 CP, AP Language and Composition, or AP Literature
AP Language and Composition	

Grade 11	Grade 12
Physical Science 2, Chemistry, Environmental Science, AP Environmental Science, Physics, or AP Physics	(none required for Standard Diploma)
	Environmental Science, Anatomy, Physics, AP Environmental Science, AP Biology, AP Chemistry, AP Physics, or AP Physics 2
Environmental Science, Physics, AP Environmental Science, AP Biology, or AP Chemistry, AP Physics	

Grade 11	Grade 12
US History, AP US/VA History	US Government, AP US/VA Government
AP US/VA History	AP US/VA Government

Grade 11	Grade 12
Geometry	Algebra 2
AFDA	
Algebra 2	Trigonometry, Liberal Arts Math Honors
Trigonometry	AP Precalculus, AP Statistics, Liberal Arts Math Honors
AP Precalculus	AP Calculus AB, AP Statistics
AP Precalculus	AP Calculus AB, AP Statistics
AP Calculus AB, AP Statistics	AP Calculus BC AP Statistics

High School Planning Guide

Grade 9	Grade 10	Grade 11	Grade 12
Attend your program planning conference.	Update your four-year plan.	Review your four-year plan and do a credit check.	Update your four-year plan and do a credit check.
Complete the assigned grade-level activities in Naviance.	Attend the College Fair (September)	Attend the College Fair (September)	Update a resume and do job and college searches in the career room.
Visit the Jobs for Virginia Graduates Specialist.	Complete the assigned grade-level activities in Naviance.	Complete the assigned grade-level activities in Naviance.	Complete the assigned grade-level activities in Naviance.
Prepare all year for end of course tests in May/June.	Take the PSAT. (October)	Take PSAT or ASVAB	Attend the College Fair. (September)
Volunteer!	Prepare all year for end of course tests in May/June.	If planning college, take the SAT/ACT.	Talk with colleges/military.
Participate in extracurricular activities.	Meet with military recruiters (Cafeteria on a scheduled basis).	Plan SAT Subject Tests.	Register for SAT/ACT
Use your registration guide.	Last chance to begin a world language to earn Adv. Studies Diploma.	Prepare all year for end of course tests.	Look into job shadowing opportunities
Use your Google calendar to plan each day.	Know prerequisites for all advanced coursework: AP and Dual Enrollment.	Maintain good grades.	Attend the Financial Aid Meeting (Oct.) or visit the financial aid website.
Attend summer school for remediation.	Update your resume with accomplishments and activities for college and scholarship applications.	Attend the Financial Aid Meeting (Oct.) or visit the financial aid website.	Complete the FAFSA
Attend school regularly. Know school policies.	Read during summer vacation. It is the secret to boosting SAT scores.	Consider AP and Dual-Enrollment Courses.	Search for scholarship opportunities, on the scholarship lists published by School Counseling Dept.
Give your best effort on all standardized tests.	Look into job shadowing opportunities.	Talk with representatives from colleges.	Apply for SEF and Chance Crawford Scholarships
Read to boost all achievement scores.	Attend school regularly. Know school policies.	Develop a list of realistic post-secondary choices.	Complete college applications. Give teachers two weeks notice to write recommendations. Use Naviance to request transcripts and letters of recommendation.
Look into job shadowing opportunities	Enjoy high school.	Look for scholarship opportunities.	Join Salem Education Foundation
Enjoy high school.	Support the Spartans and be proud to be one.	Visit colleges.	Support the Spartans and be proud to be one.
Support the Spartans and be proud to be one.		Get a summer job.	
		Look into job shadowing opportunities	
		Ask summer employer for a letter of reference	
		Support the Spartans and be proud to be one.	

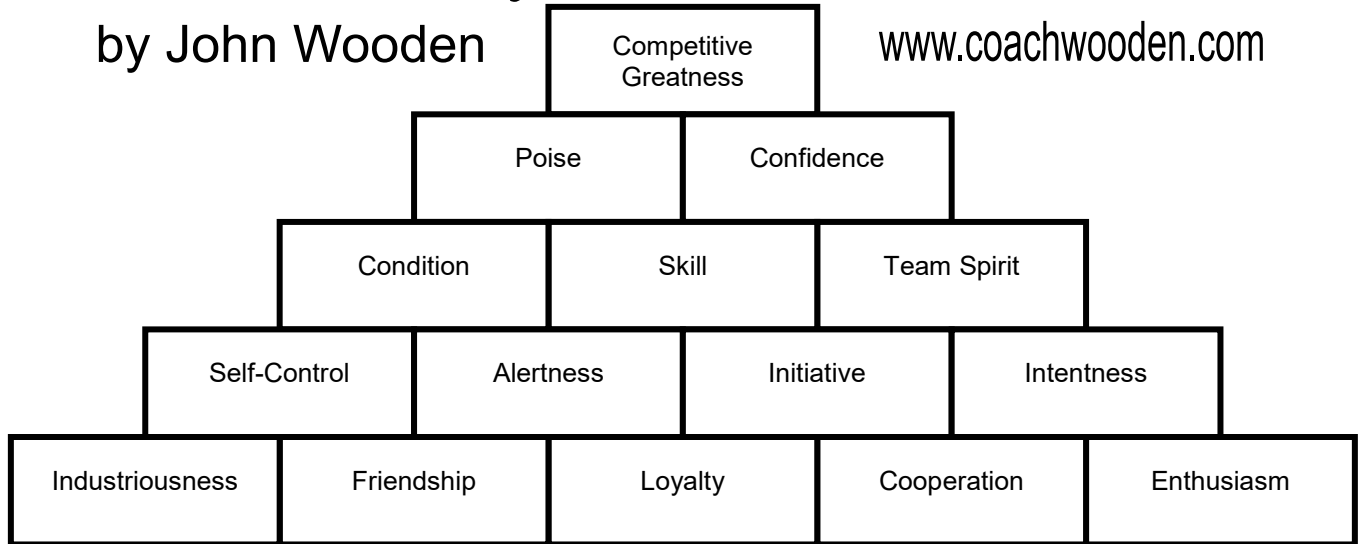
Visit the Salem Ed Foundation Online - www.sefandaa.org

The Pyramid of Success

by John Wooden

Competitive
Greatness

www.coachwooden.com



ATTENTION SALEM STUDENTS: Use the information found in the Registration Guide and the principles of John Wooden's Pyramid of Success to make your own personal plan for success. Don't leave out any of the blocks – and make competitive greatness in life your goal!

Industriousness (Cornerstone)	You have to work and you have to work hard. There is no substitute for work. Worthwhile things come only from work.
Friendship	For success, either individually or for a team, there must be a level of friendship. It is a powerful force that comes from mutual esteem, respect, and devotion.
Loyalty	You cannot work to the best of your ability unless you have someone or something to whom you are loyal. Only then do you gain peace and an increasing ability to perform at your highest level.
Cooperation	In order to reach the full potential of the group, there must be cooperation at all levels. This means working together in all ways to accomplish the common goal. And to get cooperation, you must give cooperation.
Enthusiasm (Cornerstone)	The second powerful cornerstone is Enthusiasm. You have to like what you are doing; your heart must be in it. Without enthusiasm you can not work up to your fullest ability.
Self-Control	Self control is essential for discipline and mastery of emotions, for discipline of self and those around you.
Alertness	There is something going on around us at all times from which we can acquire knowledge if we are alert. Too often we get lost in our tunnel vision and we don't see the things that are right in front of us for the taking, for the learning.
Initiative	You must not be afraid to fail. Initiative is having the courage to make decisions and take action. Keep in mind that we all are going to fail at times. This you must know. None of us is perfect. But if you are afraid of failure, you will never do the things you are capable of doing.
Intentness	Determination, Persistence, Tenacity, Perseverance
Condition	You must be conditioned for whatever you are doing if you are going to do it to the best of your ability.
Skill	It is at the very center. You have to know what you are doing and be able to do it quickly and properly.
Team Spirit	Thinking of others. Losing oneself in the group for the good of the group. It means being not just willing but eager to sacrifice personal interest or glory for the welfare of all.
Poise	Being yourself – not acting. Not pretending to be something you are not. Being comfortable with who you are – then you will be able to function near your own level of competence.
Confidence	You must have confidence. You must believe in yourself if you expect others to believe in you.
Competitive Greatness	Ultimately, all fourteen building blocks in the Pyramid of Success are necessary for competitive greatness.

Are You Interested in a Senior Pathway Project?

Senior Pathway Projects exist to provide select seniors with opportunities to have a highly personalized schedule that enables them to pursue their personal passions and/or explore possible career opportunities.

Enrollment in a Senior Pathway Project is open to students who:

- Have received prior approval from the instructor
- Will have achieved the status of Senior based on earning a minimum of 17 credits before the start of the school year;
- Have already successfully completed or will have successfully completed an appropriate number of courses/experiences within an Interest Pathway prior to the start of the school year; and

There are three distinct components to a Senior Pathway Project. Throughout the spring of the student's Junior year, the student will work with the instructor/mentor to develop a personalized plan for meeting all three components. That plan will receive final approval by the school administration.

Throughout the school year, the instructor will monitor progress toward completion of the plan. Insufficient progress toward completion may result in removal from enrollment in the Senior Pathway Project.

The student receives credit for the Senior Pathway Project and a grade of Pass or Fail.

Component 1: Independent Study

Under the instructor's supervision, the student will research a specific topic or series of topics. As part of the student's personalized plan, the student should outline a general series of topics to be researched and propose a means for presenting the results of the research. The results of the research will be compiled in a concise format that is approved by the instructor.

Component 2: Experiential Learning

As part of the Senior Pathway Project, the student will complete an internship within the school system and an externship in the community that enables the student to better understand how the Pathway topic connects to the world of work. As part of the student's personalized plan, the student will propose a plan for completing the internship and externship requirements. Instructors will help students create internship opportunities and find workplace-based externships, but ultimately the responsibility to set up a meaningful internship and externship experience is that of the student.

Component 3: Capstone Project

The student will complete a capstone project that demonstrates a broad understanding of the skills and content that make up the discipline or Interest Pathway. The Capstone Project should result in a tangible and/or visual product that can be shared with an audience.

What are Your Next Steps?

Talk with your school counselor about your interest in creating a Pathway Project.

Salem High School Interest Pathways

For each Pathway, students must complete a minimum of the courses required to obtain the Standard, or Advanced. If interested in a Senior Pathway Project, see your counselor.

Title of Pathway	Communications and Journalism	Teaching, Learning and Child Development	Automotive and Welding
Potential Careers	Writer, Journalist, Editor, Communications Specialist, Public Speaker, Lawyer, Publisher, Advertising & Marketing Specialist, Graphic Artist, Educator, Photographer, Videographer	Teacher, Instructional Assistant, Preschool Director, Professor, School Psychology, School Counselor, Child Psychologist, Daycare Supervisor	Welding Engineer, Welding Operator, Nuclear/Structural Welder, Automotive Engineer, Business Management, Insurance Adjustor, Diesel/Automotive Technician, Collision Repair Technician
Courses Related to Pathway	Eng 9 Eng 10 AP Language and Composition AP Literature Eng 11 College Prep Eng 12 College Prep Creative Writing Drama Photojournalism Illustrator Photoshop Digital Photography Design, Multimedia, and Web Technologies	Intro to Early Childhood ECE 1 ECE 2 FACS Internship Psychology Sociology	Welding I, II, and III Auto Technology I, II, and III Auto Body I, II, and III Diesel Technology 1, 2 Personal Finance Honors Business Management
Suggested Independent Experiences	School Publications (Laconian & Delphi), Summer journalism workshops, School or community theater, Forensics, News or publication internships, design competitions.	Attending educational conferences and forums, volunteering with children, summer camps, babysitting, reading educational magazines for current topics and events in education.	Job shadowing, Internships
Certifications Available		Parapro Assessment	American Welding Society SENSE Entry Level Welding Certification OSHA 10 Safety Certification SP2 Safety Certification ASE Student Certifications

Salem High School Interest Pathways

For each Pathway, students must complete a minimum of the courses required to obtain the Standard or Advanced Diploma. If interested in a Senior Pathway Project, see your counselor.

Title of Pathway	Health, Exercise and Medical Services	Engineering and Technology	Science and Mathematics
Potential Careers	Athletic Trainer, Personal Trainer, Exercise Physiologist, Dietician, Geriatric Services, Leisure Activities Coordinator, EMT, Firefighter, RN, LPN, CNA, Physical Therapist, Occupational Therapist, Physicians' Assistant, Fitness Facility Administrator, Group Exercise Instructor, Doctor, Parks and Recreation Manager	Engineer Electronics Technician Manufacturing Technician CAD Technician Survey Technician Mechatronics Metallurgist	Chemist, Meteorologist, Zoologist, Wildlife Biologist, Astronomer, Atmospheric & Space Scientist, Forensic Scientist, Statistician, Actuary, Physicist, Hydrologist, Geoscientist, Soil & Water Conservationist, Food Scientist, Nuclear Power Reactor Technician, Geneticist, Molecular & Cellular Biologist, Geographic Information Systems Technician, Quality Control Analyst, Petroleum Technician
Courses Related to Pathway	Introduction to Health Science Medical Terminology Biology AP Biology Health 1 & 2 Physical Education Adapted Physical Education Weight Training Personal Training Sports Medicine/Internship Chemistry Anatomy Medical Assistant 1	Trigonometry AP Calculus AB AP Calculus BC AP Statistics AP Chemistry AP Physics Engineering Drawing Robotics Robotics Internship Basic Technical Drawing Architectural Drawing	Physics, AP Physics Chemistry AP Chemistry Biology AP Biology AP Precalculus AP Calculus AB AP Calculus BC AP Statistics Trigonometry Honors Liberal Arts Math Physical Science 2 AP Environmental Science Engineering Drawing Architectural Drawing Robotics & Robotics Internship Basic Technical Drawing
Suggested Independent Experiences	Job shadowing or internships with local businesses (Roanoke Athletic Club, YMCA, Carilion, Jefferson College of Health Sciences, local EMS)	Job shadowing of local engineers or technicians. Meeting with engineers of different disciplines to determine which types of engineering are of greatest interest.	Job shadowing with local businesses in the field, summer science or math camps, visits to colleges that have programs of math or science study.
Certifications Available	First Aid & Adult CPR Certification Infant & Child CPR Certification	Solidworks Auto CAD Inventor MT1	

Salem High School Interest Pathways

For each Pathway, students must complete a minimum of the courses required to obtain the Standard or Advanced Diploma. If interested in a Senior Pathway Project, see your counselor.

Title of Pathway	Health, Exercise and Medical Services	Engineering and Technology	Science and Mathematics
Potential Careers	Athletic Trainer, Personal Trainer, Exercise Physiologist, Dietician, Geriatric Services, Leisure Activities Coordinator, EMT, Firefighter, RN, LPN, CNA, Physical Therapist, Occupational Therapist, Physicians' Assistant, Fitness Facility Administrator, Group Exercise Instructor, Doctor, Parks and Recreation Manager	Engineer Electronics Technician Manufacturing Technician CAD Technician Survey Technician Mechatronics Metallurgist	Chemist, Meteorologist, Zoologist, Wildlife Biologist, Astronomer, Atmospheric & Space Scientist, Forensic Scientist, Statistician, Actuary, Physicist, Hydrologist, Geoscientist, Soil & Water Conservationist, Food Scientist, Nuclear Power Reactor Technician, Geneticist, Molecular & Cellular Biologist, Geographic Information Systems Technician, Quality Control Analyst, Petroleum Technician
Courses Related to Pathway	Introduction to Health Science Medical Terminology Biology AP Biology Health 1 & 2 Physical Education Adapted Physical Education Weight Training Personal Training Sports Medicine/Internship Chemistry Anatomy Medical Assistant 1	Trigonometry AP Calculus AB AP Calculus BC AP Statistics AP Chemistry AP Physics Engineering Drawing Robotics Robotics Internship Basic Technical Drawing Architectural Drawing	Physics, AP Physics Chemistry AP Chemistry Biology AP Biology AP Precalculus AP Calculus AB AP Calculus BC AP Statistics Trigonometry Honors Liberal Arts Math Physical Science 2 AP Environmental Science Engineering Drawing Architectural Drawing Robotics & Robotics Internship Basic Technical Drawing
Suggested Independent Experiences	Job shadowing or internships with local businesses (Roanoke Athletic Club, YMCA, Carilion, Jefferson College of Health Sciences, local EMS)	Job shadowing of local engineers or technicians. Meeting with engineers of different disciplines to determine which types of engineering are of greatest interest.	Job shadowing with local businesses in the field, summer science or math camps, visits to colleges that have programs of math or science study.
Certifications Available	First Aid & Adult CPR Certification Infant & Child CPR Certification	Solidworks Auto CAD Inventor MT1	

Salem High School Interest Pathways

For each Pathway, students must complete a minimum of the courses required to obtain the Standard or Advanced Diploma. If interested in a Senior Pathway Project, see your counselor.

Title of Pathway	Government and Public Administration	Culinary Arts	Performing Arts
Potential Careers	Legislative Aide, Politician, Lobbyist, Military, Legal Analyst, IRS, FBI, Attorney, Border Inspector, Bank Examiner, Immigration Specialist, Anthropologist, City Manager	Head Chef, Sous Chef, Cook, Line Worker, Nutritionist, Caterer, Restaurant Manager, Server, Banquet Manager, Kitchen Manager, Restaurant Owner, Maitre d'	Actor, Composer, Musician, Sound or Light Designer, Lighting Director, Scenic Director, Music Educator, Drama Teacher, Band Director
Courses Related to this Pathway	Economics & Personal Finance Sociology Psychology Practical Law Business Law AP Economics U.S. Wars and Military History AP US/VA History AP Government World Language US/VA History Modern World History Ancient World History CP, Honors, or AP English AP Language and Composition AP Literature	Exploring Foods Gourmet Cuisine Culinary Essentials FACS Internship Marketing Strategic Marketing	Concert Band Symphonic Band Marching Band Concert Choir Vocal Ensemble Chorale Salem Singers Drama I, II & III AP Music Theory Salem Theater
Suggested Independent Experiences	School Publications (Lacanian & Delphi), Summer journalism workshops, School or community theater, Forensics, News or publication internships, design competitions.	Job shadowing or internships with local businesses within the field.	Internships with local sound companies, orchestras, or theatres. Job shadowing with local artists. Attend local music and theatre events. Become aware of local agencies that promote the arts.
Certifications Available		Servsafe Nocti Cook I	

Salem High School Interest Pathways

For each Pathway, students must complete a minimum of the courses required to obtain the Standard or Advanced Diploma. If interested in a Senior Pathway Project, see your counselor.

Title of Pathway	Computer Science	Marketing and Sales	Law & Public Safety
Potential Careers	Computer Engineer, Software Design Engineer, Network Developer or Administrator, Game Developer, Web Developer, Data Analyst, PC Support Specialist, Programmer	Customer Service, Sales Representatives, Administrative Support Representative, Store Manager, Buyer, Merchandiser, Advertiser, Market Researcher, Media Manager	Corrections Officer, Police Officer, Park Ranger, Military, Sheriff, Security Guard, Attorney, Clerk of Court, Balif, Officer of the Court
Elective Courses Recommended	AP Computer Science Introduction to Engineering Robotics AP Precalculus AP Calculus AB AP Calculus BC Algebra I & II AP Statistics Coding 2D Games Cybersecurity & Me Cybersecurity 1 App Development Discovering Computer Science	Introduction to Fashion Careers Marketing Exploration: Sports & Entertainment Marketing Strategic Marketing Strategic Marketing Coop Marketing Coop Psychology Sociology Illustrator Digital Photography Design, Multimedia, and Web Technologies Photojournalism Honors Business Management Computer Information Systems	Practical Law Business Law Psychology AP Psychology AP Language and Composition Sociology College Prep English US/VA History US/VA Government Honors English
Suggested Independent Experiences	Job shadowing or internships with local businesses within the field.	Job shadowing or internships with local businesses within the field.	Job shadowing or internships with local businesses within the field, court observations.
Certifications Available		Customer Service and Sales Certification from the National Retail Federation (NRF)	

APPLICATION PROCEDURE FOR DUAL-ENROLLED STUDENTS:

Any student who wishes to participate in the dual enrollment program at Salem High School must complete the online application located at:

<http://apply.vccs.edu/oa/launch.action>

Then click on the **Apply Now** link.

When this application is completed, the student's EMPL ID number automatically appears on the screen. **Record this number for use during your high school years; you will need it for enrollment for all dual-enrolled classes in the future.**

VWCC Regional Academies

SHS students have the opportunity to participate in a variety of Career and Technical Programs at Virginia Western Community College for dual credit. Regional Academy programs and CTE Institutes are planned in the areas listed below. These half-day programs are designed for eleventh and twelfth grade students who have creative, capable minds and a strong interest in applied academics.

Students will be awarded 1 weighted credit for each semester of full time attendance at the academy. Full time attendance is defined as 8:00AM-10:45AM Monday through Friday. In the event that transportation is not provided by the Salem City School Division, transportation to and from the academy will be the responsibility of the parent/guardian. VWCC enrollment rates may apply. Please see your school counselor for more information.

Air Conditioning & Refrigeration

This curriculum is designed to meet the essential technical concepts and practices of the air conditioning and refrigeration field. Employment opportunities include air conditioning/refrigeration system installer, air conditioning system service technician, and air conditioning sales.

Engineering

The Engineering program is designed for creative students who want to explore engineering as a potential major. The intent of this program is to provide students a sense of what the engineering profession encompasses while exposing them to engineering concepts to better prepare them for success in engineering at the undergraduate level.

IT & Cybersecurity

The IT & Cybersecurity program is designed to give students the knowledge and skills needed to secure servers and network infrastructures. Topics include how to develop a security infrastructure, recognize threats and vulnerabilities to networks and servers, and to mitigate security threats. Student can sit for the CompTIA Security+ Certification and CompTIA Linux+ Certification.

Mechatronics

The Mechatronics program combines the concepts and practices of mechanical and electrical processes in order to manipulate motorized, hydraulic, and pneumatic machines to perform complex automated functions in an industrial or advanced manufacturing environment. It is designed to prepare the student for the Siemens Mechatronics System certification. Student with this credential will function as a highly skilled technician who can work with modules and components in complex mechatronics systems as well as be able to assess and analyze the system as a whole.

Health Records Coding

The Health Records Coding program is designed to provide the technical knowledge and practical experience needed for employment as a health records coding technician. Health Records Coding technicians analyze and interpret a patient's record to determine the proper standardized code that represents the patient's diagnosis and treatment which is used mainly for billing purposes.

Health Science Program

This curriculum is designed for students who plan to transfer to a four-year institution to complete a baccalaureate degree in allied health programs such as nursing, health education or dietetics/nutrition.

NCAA Initial-Eligibility Center

NCAA information and requirements are constantly changing. Stay up-to-date by visiting the Clearinghouse website at: www.eligibilitycenter.org. Use school code 472035 for access to Salem High School information.

To be certified by the Eligibility Center, you must:

1 Graduate from high school.

You should apply for certification before graduation if you are sure you wish to participate in athletics as a freshman at the college to which you will be admitted. The Eligibility Center will issue a preliminary certification report when you have had all your materials submitted. After you graduate, if your eligibility information is requested by a member institution, the Eligibility Center will review your final transcript to make a final certification decision according to NCAA standards.

The NCAA Initial-Eligibility Center has the following courses on file as meeting NCAA core course guidelines. You must have 16 of these

courses (with minimums noted). If a course is not on the list, you cannot count it. **Subjects taken in the eighth grade do not count.**

English

AP Language and Composition
AP Literature
Classical Mythology
Creative Writing 1
Creative Writing 2
English 10
English 10 Honors
English 11 College Preparatory
English 12 College Preparatory
English 11
English 12
English 9
English 9 Honors

Natural/Physical Science

Anatomy & Physiology (Lab)
AP Biology
AP Chemistry
AP Environmental Science
AP Physics
Biology (Lab)
Chemistry (Lab)
Earth Science (Lab)
Physical Science 2 (Lab)
Physics (Lab)

Mathematics

Algebra 1
Algebra 1-Parts 1 & 2 (0.5 ea)
Algebra 2
Algebra 2 with Introduction to Trig (Honors)
Algebra Functions/Data Analysis
AP Calculus AB
AP Calculus BC
AP Statistics
Geometry
Liberal Arts Math Honors
Pre-Calculus Honors
Trigonometry

Social Science

Ancient World History
AP Human Geography
AP VA/US History
AP VA/US Government
AP World History: Modern
Modern World History
Practical Law
Psychology
Sociology
VA/U.S. History
VA/U.S. Government
World Geography

Additional Core Courses

Business Law
French 1
French 2
French 3
German 1
German 2
German 3
Spanish 1
Spanish 2
Spanish 3

Note: The NCAA no longer accepts Computer Science courses to fulfill core course requirements.

2 Earn a grade-point average of at least 2.3

(Beginning with the Class of 2016) in a core curriculum of at least 16 academic courses which were successfully completed during grades 9 through 12. Complete 10 courses including 7 in English, Math or Science before the start of your 7th semester. Once you begin your 7th semester, you may not repeat or replace any of these 10 courses for GPA improvement. Only courses that satisfy the NCAA definition of a core course can be used for NCAA GPA. No special value are allowed for "+" or "-" grades. The chart on the following page shows the core course minimum for inclusion.

Core Units Required for NCAA Certification

	Division I	Division II	
English Core	4 years	3 years	
Math Core	3 years	2 years	
Science Core	2 years	2 years	
Social Science Core	2 years	2 years	
From English, Math, or Science (additional core)	1 year	3 years	
Additional Core (English, Math, Science, Social Science, Foreign Language, Nondoxtrinal Religion, Philosophy)	4 years	4 years	
Total Core Units Required	16	16	

3 Earn a sum of scores of at least 75 on the ACT or a combined score of at least 900 on the SAT on a national test date.

For Division I: The minimum grade-point average in the 16 core courses and required ACT or SAT score vary according to the Initial-Eligibility Index below. This index applies to students who wish to participate in Division I athletics. (For Division II visit www.eligibilitycenter.org).

Core GPA	ACT	SAT
Sum of Scores		
above 2.800	57	700
2.800	57	700
2.775	58	710
2.750	59	720
2.725	60	730
2.700	61	740
2.675	61	750
2.650	62	760
2.625	63	770
2.600	64	780
2.575	65	790

Core GPA	ACT	SAT
Sum of Scores		
2.550	66	800
2.525	67	810
2.500	68	820
2.475	69	830
2.450	70	840
2.425	70	850
2.400	71	860
2.375	72	870
2.350	73	880
2.325	74	890
2.300	75	900

For additional information, students should refer to the NCAA Guide for the College-Bound Student-Athlete. These booklets can also be obtained online at www.eligibilitycenter.org.

The most frequently asked question: *WHEN SHOULD I REGISTER WITH THE ELIGIBILITY CENTER?* Students should apply for certification after their junior year in high school if they wish to participate in inter-collegiate athletics as a freshman at a Division I or II institution. Please note that final eligibility/certification is not granted until the student graduates from high school and a final transcript is sent. The student is responsible to request that this final transcript be sent to the NCAA.

✓ Senior Checklist ✓

- _____ Register for the SAT and/or ACT. Include the school code (472035).
- _____ Register for SAT subject tests if required by colleges.
- _____ Make requests with CollegeBoard and/or ACT to have scores sent to colleges.
- _____ Use Naviance Student to request transcripts.
- _____ Attend Senior Q&A with parents in September.
- _____ Attend the College Fair at the Salem Civic Center in September.
- _____ Visit with college reps who come to SHS.
- _____ Visit colleges and attend open houses.
- _____ Attend the Financial Aid Workshop in the Fall.
- _____ Complete the Free Application for Federal Student Aid (FAFSA) beginning Oct. 1
- _____ Check Naviance Student regularly for scholarship information.
- _____ Complete early decision applications by October 1.
- _____ Complete all college applications regardless of deadlines by December 1.
- _____ Make sure any parts of the application that need to be completed by a counselor have been turned in.
- _____ Check with all colleges to see if all parts of the application have been received.
- _____ In late April/early May complete the final transcript request form.
- _____ For athletes participating in a sport at a Division I or II college, register with the NCAA.
- _____ Visit with military reps during lunches.
- _____ Begin VWCC CCAP process after Oct. 1.
- _____ Complete all tasks in Naviance Student.



Have questions about student progress?

Parents are strongly encouraged to use the PowerSchool Parent Portal to keep up with their child's progress toward mastering learning standards. Access the Parent Portal at:

<http://powerschool.salem.k12.va.us/public>

As a first point of contact, please direct questions about learning to your child. If after talking with your child about his or her progress you still have questions, please use email to contact the teacher directly. Please keep in mind Salem High School's Grade Posting Practice:

Salem High School's practice is to have assignments graded and posted online within one week (5 school days) of the date on which the assignment was due. Please note that alterations to the regular school routine related to student and faculty absences, weather-related calendar changes, holidays, and school activities will affect this one week deadline on occasion. Certain types of assignments, such as major projects and longer writing assignments, might take longer to grade and post. In such cases, the teacher will notify students of the date by which the teacher plans to have the assignment graded and posted.

If you feel a conference with your child's School Counselor is necessary, please feel free to contact your child's counselor via email, by calling the school during the day, or by calling the counselor's confidential direct voice mailboxes after school hours:

Sheri Smith	A-E	P: (540) 444-0914	E: ssmith@salem.k12.va.us
Kristi Snow	F-L	P: (540) 444-0912	E: ksnow@salem.k12.va.us
Michele Arbogast	M-Q	P: (540) 444-0911	E: marbogast@salem.k12.va.us
Jenny Parrish	R-Z	P: (540) 444-0913	E: jparrish@salem.k12.va.us

SOL Terminology

SOL Content Areas:

English, Writing, Mathematics, Science,
Social Science, Computer Technology and
End-of-Course Tests

Scaled Score:

A scale with a range of 0-600.
A scaled score of 400 or more is "passing."
Scores below 400 may require summer remediation.

Proficiency Level:

0-399 = Failing; 400-499 = Pass, Proficient; 500-600 = Pass, Advanced

PRACTICE COPY - SALEM HIGH REGISTRATION

Name: _____ Student #: _____ Year of Graduation: _____
Last First

Phone: _____ Current Grade: _____ Type of Diploma: _____

Requests	Credits	Counselor's Comments	
English:			
Math:			
Science:			
Social Studies:			
Health/PE:			
World Lang. (Req. for Adv. Diploma):			
Elective:			
Elective:			
Elective:		Alternate Electives	Credits
Elective:			
Elective:			
Elective:			
Totals			

1. Read through the registration guide carefully.
2. Fill out all requests and credits in spaces provided.
3. Choose alternate electives carefully.
4. Salem High strongly encourages ALL students to take AT LEAST six classes.
5. To participate in interscholastic sports programs, the Virginia High School League requires "Take 5-pass 5". Non-credit courses and previously passed courses, DO NOT count into this total.
6. Students who DO NOT meet the prerequisite will have their schedules adjusted during the summer.
7. By registering for a Honors, College Prep, AP, College and Dual Enrolled course, the student and parent agree to abide by the "Commitment to Advanced Program of Study" as listed in the Registration Guide. Request for changes are to be made in-writing to the SHS Guidance Department by the last Friday in June.