

John Handley High School Program of Studies



2023-2024

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Grades 9-12

School Board Approved:



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Jason Van Heukelum, Ed.D. Superintendent

Dear Winchester Public Schools Families:

The Winchester Public Schools High School Program of Studies contains important information to help you understand the opportunities available for your middle and/or high school student. WPS offers a wide variety of academic, elective, and programmatic courses that meet the needs of all learners. Offering a wide array of courses and programs that students can choose from is an essential component of our commitment to helping students reach their goals.

This handbook provides information regarding the Profile of a Graduate and cohort graduation requirements. Any new course offerings or changes to this document will be communicated and updated in the <u>online version</u>.

Please take the time to review the information presented in this handbook. The information ranges from specific course selection options and the different academic levels, academic and post-secondary career planning, specialized WPS programs such as the Mountain Vista Governor's School (MVGS), National Collegiate Athletic Association (NCAA) eligibility requirements, Virginia Standards of Learning (SOL) information, graduation requirements, promotion and retention guidelines, and grade point average calculation criteria. The handbook also includes various policies and procedures.

Developing a comprehensive academic and career plan is best accomplished through collaboration between students, parents, school counselors, teachers and principals. A well developed plan will ensure that graduation requirements are met on time and that academic and personal growth are supported in preparation for post-secondary options such as college, vocational training, military service, or employment.

Through these course offerings and our partnership with families, each student will be on the path to achieve their hopes and dreams. Best wishes for a successful school year.

Sincerely,

Van Halehm

Jason Van Heukelum, Ed.D. Superintendent

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GENERAL INFORMATION

The high school program of studies provides comprehensive information regarding graduation requirements, diploma programs, and course offerings. Course descriptions, credits and prerequisites are also included in the Program of Studies. Students should check with their school counselor to ensure a class is available for the upcoming school year. John Handley High School is a member of the Virginia High School League and is accredited by the Virginia Department of Education.

Graduation Requirements

All students must earn a minimum number of **units of credit** in grades nine through twelve based upon their diploma requirement. Typically, students are scheduled to take eight (8) credits per year.

Verified Credit means that the student has passed the state required Standards of Learning (SOL) test in addition to the course. Verified credits may be earned in the following courses:

English	Math	Science	Social Studies
Reading Writing	Algebra I Geometry Algebra II	Biology Chemistry Earth Science	World History & Geography to 1500 World History & Geography 1500 to Present Virginia & U.S. History

Promotion

Students working toward a **Standard** or **Advanced Studies Diploma** will be promoted based on credits earned:

Grade Level	Credits Required	d Credit Information	
Tenth Grade (Sophomore)	5 A student must have earned a minimum of five (5) credits.		
Eleventh Grade (Junior)	11	A student must have earned a minimum of eleven (11) credits.	
Twelfth Grade (Senior)	17	A student must have earned a minimum of seventeen (17) credits, and the student must have planned a program provid for sufficient credits and verified credits to ensure graduation the end of the academic year.	

For students earning an **<u>Applied Studies Diploma</u>**, promotion will be based on the completion of objectives rather than credit earned.

Grading Scale

Grade	Meaning	Value	GPA Points
А	Superior	90-100	4
В	Good	80-89	3
С	Satisfactory	70-79	2
D	Poor	60-69	1
F	Failing	59 and below	0

Class Rank

GPA

John Handley High School does not rank students.

Grade point average (GPA) is calculated by adding up the GPA point value for all final grades and then dividing by the total number of courses taken. Weighted courses require additional calculations to determine GPA. See page 9.

NOTES:

High school credit is awarded for high school subjects taken in middle school (e.g. Earth Science, Algebra I, Geometry, Algebra II, world language and certain career/technical courses).

[•] Students may repeat a course to earn credit and/or improve skills. The original and repeat courses and grades will be reflected on the student's transcript. The original course grade will not be calculated into the student's grade point average. The repeat course grade will be calculated into the student's grade point average.

Diploma Programs

The Virginia Department of Education (VDOE) and John Handley High School offer three diploma programs to meet the goals of the individual student:

- Standard Studies
- Advanced Studies
- Applied Studies (reserved for qualifying students)

General education students who have successfully completed course work for a diploma, but who have not met verified credit requirements on the state SOL tests, may also receive a Certificate of Program Completion. Also, some students with Individual Education Plans (IEP) who do not meet the requirements for a diploma may receive a Certificate of Program Completion.

Please see pages 7-8 for the requirements for the Standard Studies and Advanced Studies diplomas.



Standard Diploma Course Requirements for Students Entering Ninth Grade for the First Time in 2018-19 and Beyond (8 VAC 20-131-51)

Subject Area	Standard Credits	Verified Credits	Specifications
English	4	2	All students must take the SOL Reading and Writing (or equivalent) tests in high school.
Mathematics	3	1	Courses completed to satisfy this requirement shall include at least two different course selections from among: Algebra I; Geometry; Algebra, Functions and Data Analysis; Algebra II, or other mathematics courses approved by the board to satisfy this requirement. Per the Standards of Quality, a computer science course credit earned by students may be considered a mathematics course credit. All students must take a SOL math test in high school.
Laboratory Science	3	1	Courses completed to satisfy this requirement shall include course selections from at least two different science disciplines: earth sciences, biology, chemistry, or physics. Per the Standards of Quality, a computer science course credit earned by students may be considered a science course credit. Students who complete a career and technical education program sequence and pass an examination or occupational competency assessment in a career and technical education field that confers certification or an occupational competency credential from a recognized industry, or trade or professional association, or acquires a professional license in a career and technical education field from the Commonwealth of Virginia may substitute the certification, competency credential, or license for either a laboratory science or history and social science verified credit when the certification, license, or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the board as an additional test to verify student achievement. All students must take the SOL Biology test in high school .
History & Social Sciences	3	1	Courses completed to satisfy this requirement shall include Virginia and U.S. history, Virginia and U.S. Government, and one course in either world history or geography or both. The board shall approve courses to satisfy this requirement. Students who complete a career and technical education program sequence and pass an examination or occupational competency assessment in a career and technical education field that confers certification or an occupational competency credential from a recognized industry, or trade or professional association, or acquires a professional license in a career and technical education field from the Commonwealth of Virginia may substitute the certification, competency credential, or license for either a laboratory science or history and social science verified credit when the certification, license, or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the board as an additional test to verify student achievement. All students must take a SOL history test in high school .
Health & Physical Ed.	2	0	N/A
World Language, Fine Arts or Career Tech	2	0	Per the Standards of Quality, credits earned for this requirement shall include one credit in fine or performing arts or career and technical education. Per the Standards of Quality, a computer science course credit earned by students may be considered a career and technical course credit.
Economics & Personal Finance	1	0	N/A
Electives	4	0	Courses to satisfy this requirement shall include at least two sequential electives as required by the Standards of Quality.
Total	22	5	N/A

Additional Requirements for Graduation

- Advanced Placement, Honors, Dual Enrollment, Work-Based Learning, or CTE Credential (pg19) Students shall complete an Advanced Placement, honors, or dual enrollment course; or complete a high-quality work-based learning experience, as established by Board guidance on work-based learning; or (iii) earn a career and technical education credential approved by the board, except when a career and technical education credential in a particular subject area is not readily available or appropriate or does not adequately measure student competency, in which case the student shall receive satisfactory competency-based instruction in the subject area to satisfy the advanced studies diploma requirements. The career and technical education credential, when required, could include the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness assessment.
- Virtual Course Students shall successfully complete one virtual course, which may be a non-credit-bearing course or a required or elective credit-bearing course that is offered online. The LCS Economics and Personal finance course has an online component that fulfills this requirement.
- First Aid, CPR, and AED Training Students shall be trained in emergency first aid, CPR, and the use of AED, including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation. Students with an IEP or 504 Plan that documents that they cannot successfully complete this training shall be granted a waiver from this graduation requirement, as provided in 8VAC20-131-420 B.
- **Demonstration of the 5 Cs** Students shall acquire and demonstrate foundational skills in critical thinking, creative thinking, collaboration, communication, and citizenship in accordance with the Profile of a Virginia Graduate approved by the board.

Advanced Studies Diploma Course Requirements for Students Entering Ninth Grade for the First Time in 2018-19 and Beyond (8 VAC 20-131-51)

Subject Area	Standard Credits	Verified Credits	Specifications	
English	4	2	All students must take the SOL Reading and Writing (or equivalent) test in high school.	
Mathematics	4	1	Courses completed to satisfy this requirement shall include at least three different course selections from among: Algebra I, Geometry, Algebra II, or other mathematics courses above the level of Algebra II. The board shall approve courses to satisfy this requirement. Per the Standards of Quality, a computer science course credit earned by students may be considered a mathematics course credit. All students must take a SOL math test in high school.	
Laboratory Science	4	1	Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines from among: earth sciences, biology, chemistry, or physics. Per the Standards of Quality, a computer science course credit earned by students may be considered a science course credit. All students must take the SOL Biology test in high school.	
History & Social Sciences	4	1	Courses completed to satisfy this requirement shall include Virginia and U.S. history Virginia and U.S. Government, and two courses in either world history or geography or both. The board shall approve additional courses to satisfy this requirement. All students must take a SOL history test in high school.	
World Language	3	0	Courses completed to satisfy this requirement shall include three years of one language or two years of two languages.	
Health & Phys. Ed	2	0	N/A	
Fine Arts or Career Tech	1	0	Per the Standards of Quality, a computer science course credit earned by students may be considered a career and technical credit.	
Economics & Personal Finance	1	0	N/A	
Electives	3	0	Courses to satisfy this requirement shall include at least two sequential electives as required by the Standards of Quality.	
Total Credits	26	5	N/A	

Additional Requirements for Graduation

- Advanced Placement, Honors, Dual Enrollment, Work-Based Learning, or CTE Credential (pg19) Students shall complete an Advanced Placement, honors, or dual enrollment course; or complete a high-quality work-based learning experience, as established by Board guidance on work-based learning; or (iii) earn a career and technical education credential approved by the board, except when a career and technical education credential in a particular subject area is not readily available or appropriate or does not adequately measure student competency, in which case the student shall receive satisfactory competency-based instruction in the subject area to satisfy the advanced studies diploma requirements. The career and technical education credential, when required, could include the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness assessment.
- Virtual Course Students shall successfully complete one virtual course, which may be a non-credit-bearing course or a required or elective credit-bearing course that is offered online. The LCS Economics and Personal finance course has an online component that fulfills this requirement.
- First Aid, CPR, and AED Training Students shall be trained in emergency first aid, CPR, and the use of AED, including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation. Students with an IEP or 504 Plan that documents that they cannot successfully complete this training shall be granted a waiver from this graduation requirement, as provided in 8VAC20-131-420 B.
- **Demonstration of the 5 Cs** Students shall acquire and demonstrate foundational skills in critical thinking, creative thinking, collaboration, communication, and citizenship in accordance with the Profile of a Virginia Graduate approved by the board.

Computation of GPA and Weighted Grades

A student's grade point average (GPA) will be computed in the normal way as follows:

To calculate the GPA for a given semester, total the Quality Points (QP) earned for the grade in each class. Divide this sum by the number of classes taken. For example, if a student had 4 graded classes and earned two "A's" and two "B's," the calculation would be 4 + 4 + 3 + 3 = 14 Total Quality Points which, when divided by four total classes, yields a semester GPA of 3.5.

If a student takes an Advanced Placement (AP), Dual Enrollment (DE) (even if community college enrollment was not completed), or Mountain Vista Governor's School (MVGS) course, each grade is worth more QP; however, MVGS courses which are not AP, DE, or do not have a comparable weighted course at John Handley High School will not be weighted. Using the previous example, if the first "A" was in an AP/DE course and the last "B" was in an AP/DE course, the calculation would be 4.5 + 4 + 3 + 3.5 = 15 Total Quality Points. When divided by four classes, this total yields a semester GPA of 3.75. If the student took the AP exam, the calculation would be 5 + 4 + 3 + 4 = 16 Total Quality Points. When divided by four classes, this total yields a semester GPA of 4.0.

The current High School Program of Studies includes a complete listing of AP and DE courses. The Grade Point Average weight for every course in the program of studies is listed in the course description. Additionally, if the course is weighted at 4.5 or 5.0 for an "A", the weight is reflected in the course title as well. In order to receive full weighted credit for an AP course, the student must take the associated AP exam. Students enrolled in AP courses that elect not to take the associated AP exam will be awarded .5 quality points.

Advanced Placement and AP Exam	Dual Enrollment, MVGS, or JHHS Advanced Placement Courses, w/o Exam	All Other Courses
A – 5	A - 4.5	A – 4
B – 4	B – 3.5	B – 3
C – 3	C – 2.5	C – 2
D – 2	D – 1.5	D – 1
F – 0	F – 0	F – 0

Students' grade point average will be determined by assigning point values to courses as follows: Quality Points Per Credit

Academic Honors

Students are eligible for the following academic honors based upon a cumulative grade point average. Students must meet the requirements set forth for a standard or advanced studies diploma.

- Summa Cum Laude (Graduate with Highest Honors) Students with a grade point average of 4.0 and above.
- Magna Cum Laude (Graduate with High Honors) Students with a grade point average between 3.75 3.99.
- Cum Laude (Graduate with Honors) Students with a grade point of 3.50-3.74 will receive recognition prior to graduation.

Repeating Courses

Students may repeat a course to earn credit and/or improve skills. The original and repeat courses and grades will be reflected on the student's transcript. The original course grade will not be calculated into the student's grade point average. The repeat course grade will be calculated into the student's grade point average.

Transfer Students

- 1. If a particular grade is weighted at the school from which a student transfers, and Winchester Public Schools weights the grade for the same course, the transferred grade will be weighted.
- 2. If a particular grade is weighted at the school from which a student transfers, but Winchester Public Schools does not weight the grade for the same course, the transferred grade will not be weighted.
- 3. If a course is noted as an Advanced Placement or Dual Enrollment course, and the same course is weighted in Winchester Public Schools, the grade will be weighted even if the other division did not weight the course.
- 4. If a course is not weighted and is not noted as an AP or DE course, the grade will not be weighted.
- 5. In any case in which the appropriate GPA weight for a transfer course is unclear, the Superintendent's designee will research the content and rigor of the course in question and will determine the weight of the course.



Diploma Seals

Students meeting specific requirements for graduation and demonstrating exemplary performance may receive diploma seals for recognition. The Virginia Department of Education makes available to local school divisions the following seals:

Governor's Seal – Awarded to students who meet the following:

- Complete the requirements for an Advanced Studies Diploma with an average grade of "B" or better **and**
- Successfully complete college-level coursework that will earn the student at least nine transferable college credits in Advanced Placement (AP), International Baccalaureate (IB), Cambridge, or dual enrollment courses.

Board of Education Seal – Awarded to students who complete the requirements for a Standard Diploma or Advanced Studies Diploma with an average grade of "A" beginning with the ninth-grade class of 2006-2007 and beyond.

Board of Education's Career & Technical Education Seal – Awarded to students who:

- Earn a Standard or Advanced Studies Diploma and complete a prescribed sequence of courses in a career and technical education concentration or specialization that they choose and maintain a "B" or better average in those courses.
- OR pass an examination or an occupational competency assessment in a career and technical education concentration or specialization that confers certification or occupational competency credential from a recognized industry, trade or professional association.
- OR acquire a professional license in that career and technical education field from the Commonwealth of Virginia.
- The Board of Education shall approve all professional licenses and examinations used to satisfy these requirements.

Board of Education's Excellence in Civics Education Seal – Awarded to students who meet each of the following four criteria:

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

Board of Education's Biliteracy Seal – This seal certifies attainment of a high level of proficiency by a graduating high school student in one or more languages in addition to English, and certifies that the graduate meets of the following criteria:

- Earn a Board of Education-approved diploma.
- Pass all required End-of-Course Assessments in English reading and writing at the proficient or higher level.
- Be proficient at the intermediate-mid level or higher in one or more languages other than English, as demonstrated through an assessment from a list to be approved by the Superintendent of Public Instruction.

Board of Education's Diploma Seal for Science, Technology, Engineering, and Mathematics (STEM)- The Board

of Education's STEM Seal shall be awarded to students who earn either a Standard Diploma or an Advanced Studies Diploma and satisfy all Math and Science requirements for the Advanced Studies diploma with a "B" average or better in all course work, **and**

- Successfully complete a 50 hour or more work-based learning opportunity in a STEM area, and
- Satisfy all requirements for a Career and Technical Education concentration. A *concentration* is a coherent sequence of two or more state-approved courses as identified in the course listing within the <u>CTE Administrative Planning Guide</u>

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and

- Pass one of the following:
 - A Board of Education CTE STEM-H credential examination, or
 - An examination approved by the Board that confers a college-level credit in a STEM field.

Board of Education's Seal for Excellence in Science and the Environment (AVAILABLE TO STUDENTS WHO

ENTERED 9TH GRADE IN 2018-2019 OR THEREAFTER)- Is awarded to students who meet each of the following criteria:

- Earn either a Standard or Advanced Studies Diploma
- Complete at least three different first-level board-approved laboratory science courses and at least one rigorous advanced-level or postsecondary-level laboratory science course, each with a grade of "B" or higher
- Complete laboratory or field-science research and present that research in a formal, juried setting
- Complete at least 50 hours of voluntary participation in community service or extracurricular activities that involve the application of science such as environmental monitoring, protection, management, or restoration.

For more information can be found at <u>VDOE</u> Graduation (Diploma) Seals of Achievement.

Scheduling and Special Course Information

Daily Schedule and Selection of Courses

John Handley High School uses an A/B or "alternating-day" block schedule in which students take eight classes that meet every other day. The classes are approximately 90-minutes in duration. All students should select classes that maximize their learning opportunities. When making a decision about which class level to choose, parents and students should consider the following:

- Previous class performance in the subject area;
- Standardized test scores;
- Commitment level of the student; and
- Recommendation from teachers and counselors.

Students have the opportunity to take Extended Study Time, a non-credit activity, during the school day to work independently or receive academic assistance such as preparing for a test or quiz, completion of a project, or homework. The students do not receive a credit for that class period.

VA Education Wizard

The VA Education Wizard allows students of all ages and stages to explore careers and find the best fit. Their career exploration tools meet specific VDOE standards and Academic and Career Plans (ACP). All WPS students will have access to VA Wizard using Classlink.

- A student's Wizard account is always theirs, even if they transfer to a school, district, or state not using Wizard. The Wizard helps students gather career artifacts and see their progression of career based choices. Students can log in to see their data and print their resume, ACP, or Career Portfolio.
- Middle and high school students will utilize the ACP function of the VA Wizard to document courses completed, courses the students plan to take in future high school years, career interests and pathways as well as post-secondary plans.

Student Schedule Adjustments

A specific deadline date for course request changes will be established each school year. After the first four weeks of instruction students will not be allowed to drop from a course unless extenuating circumstances exist as determined by the principal. Special circumstances may necessitate a change in course selections after this deadline such as:

- Incomplete schedule;
- Unmet prerequisite requirement;
- Completion of coursework during summer academy; and
- Level changes may be considered on a case-by-case basis in consultation with the student, parent, teacher and school counselor.

Other guidelines for schedule adjustments include:

- Requests from students or their parents for a change in teachers will not be honored because such changes impact master schedule balance;
- Considerations will be given to requests from students assigned to repeat a course with a teacher under whom they have previously failed;
- Second semester schedule adjustments may be required if a student did not earn credit for a first semester course and no longer meets prerequisite requirements; and
- Final approval for schedule change requests rests with the principal.

Expungement

Grade/course expungement for high school courses taken in middle school is designed for students who are not performing at the proficient level and would benefit from taking the course over. The decision to expunge a grade /course should be made in consultation with the course's teacher and their counselor. In some cases parents elect to have a grade/course expunged although the student was performing at a proficient level. Although this is allowable it is not recommended as the student would have to repeat the non-weighted course in high school. The

parent of any student who, while in middle school, took a high school credit-bearing course may elect to have the grade and credit permanently expunged (removed) from the student's transcript. If the parent elects to have such a grade permanently expunged, written notice of such election must be given by the parent to the student's middle school counselor by the end of their first semester of their eighth grade year so that they can be scheduled to repeat the course. If the parent elects to expunge the grade/course after completing the course they must notify the school counseling department of John Handley High School (rising 9th graders), on or before August 1st of the year in which the student finishes 8th grade. Parents of students eligible to make this election shall be provided written notice thereof and a form to be used for such election when the student receives the final report card from the middle school. For other expungement questions see *WPS Policy JO - School Records.*

Dual Enrollment (DE)

Students at John Handley High School may earn college credit from Laurel Ridge Community College or other area colleges/universities through dual enrollment. Prior to enrolling in dual enrollment courses students must pass the Virginia Placement Test (VPT). Dual enrollment provides a wider range of course options, sharpens students' general preparedness for college, and allows high school students to earn college credit which may be transferred to other colleges and universities.

The transferability of a college course to another college or university for credit is determined by the receiving institution. Normally, academic courses intended for transfer with a grade of "C" or better will transfer to four-year institutions of higher learning; however, no guarantee can be made to students regarding transferability to all colleges and universities. This information may be found on most college and university websites or by contacting the office of admissions.

In all cases, the particular courses to be offered shall be determined through the mutual agreement of the Winchester Public Schools and the respective college. Dual enrollment opportunities vary in format including:

- Courses taught at the college;
- Courses taught at the local high schools by credentialed high school instructors.

College credits will be awarded according to the college catalog. High school credit will be awarded according to the guidelines established by the Virginia Department of Education. **Course fees will be assessed by the college, and the student portion of the payment is the responsibility of the student and the family. Laurel Ridge Community College offers a reduced fee per course for John Handley High School students. Contact the courseling department for more information.**

Winchester Public Schools, JHHS and Laurel Ridge Community College are working collaboratively to expand opportunities that would enable students to complete an associate's degree or general education certificate concurrently with a high school diploma. Additional information is available through the JHHS Counseling Department. John Handley High School offers over 20 dual-enrollment courses (core area, career and technical, and AP) during the 2022-2023 school year. Dual enrollment offerings may vary from year to year. Projected dual enrollment courses for the 2022-2023 school year are noted as such within the department course descriptions and are subject to change based on the credentials of teaching staff.

Laurel Ridge Community College is not bound by *WPS* 504 or IEP accommodations already established. Questions about these accommodations can be found at <u>Accommodations and Disability Services at Laurel Ridge Community</u> <u>College</u>.

Advanced Placement (AP)

AP courses, taught by dedicated and committed high school teachers, lay the groundwork for students to succeed at the collegiate level. Students are strongly encouraged to participate in the AP examinations. More information about the AP examinations can be found on page 18.

Virtual Virginia

- Virtual Virginia provides a variety of Advanced Placement (AP) courses, enabling students to earn college credit for courses not offered through their high school
- Applications for Virtual Virginia courses are available in the School Counseling Office
- All Virtual Virginia applications must be turned in to the School Counseling Office two weeks prior to the end of the school year.
- Virtual Virginia enrollment closes in the beginning of August each school year.
- The Virginia Department of Education reimburses school divisions for tuition and test fees for students who sign an Early College Scholars Agreement

- The Early College Scholars program allows eligible high school students to earn at least 15 hours of transferable college credit while completing the requirements for an Advanced Studies Diploma
 - To qualify for the Early College Scholars program, a student must:
 - Have a "B" average or higher;
 - Be pursuing an Advanced Studies Diploma; and
 - Take and complete college-level course work (e.g., Advanced Placement, International Baccalaureate, Cambridge, or dual enrollment) that will earn at least 15 transferable college credits.

Mountain Vista Governor's School (MVGS)

- The mission of Mountain Vista Governor's School is to present a research-based, technology-enhanced, integrated program in mathematics, science, and the humanities.
- The program will challenge students to reach their full potential as independent thinkers capable of assuming leadership roles in a constantly changing global society.
- MVGS serves over 100 students from the region on two campuses.
- Handley students, grades 10-12, attend the Middletown, VA site located at Laurel Ridge Community College.
- Students participate in 4.5 hours of instruction each day at MVGS and return to Handley for afternoon coursework.
- MVGS Courses which are not AP dual enrollment and do not have a comparable weighted course at JHHS will not be weighted.
- Course offerings can be found at <u>www.mvgshome.org</u>

Trades Academy

- Upon successful completion of this one-year course, students will be Career and Technical Education Completers in Industrial Maintenance Technician I and Maintenance Technician II.
- The program provides students the opportunity to learn skills in welding, HVAC, hydraulics/pneumatics and electricity. Students also will learn skills related to a variety of industrial processes.
- Students will earn 31 college credits and complete a Career Studies Certificate in EPA CFC (Environmental Protection Agency Chlorofluorocarbon Certificate) and Electricity.
- Students participate in 4.5 hours of instruction each day at Laurel Ridge Community College and return to Handley for afternoon coursework and /or related job experiences.
- This course is intended for seniors and requires an application and acceptance process for the 3 seats that are available to John Handley High School students.

Academic Guidelines for Athletics

Virginia High School League (VHSL) Eligibility

In order for a student to participate on a Winchester Public Schools athletic team, each athlete must have satisfied all academic eligibility requirements as listed below.

- The student must be enrolled in no fewer than five subjects, or their equivalent, offered for credit and which may be used for graduation.
- The student must have passed five subjects, or their equivalent, offered for credit and which may be used for graduation the immediate preceding school year.
- The student may not repeat courses for eligibility purposes for which credit has been previously awarded.
- The student must be in good standing and abide by the school activity's rules and regulations.
- The student cannot be 19 years of age on or before August 1st of the current year.
- The student has only eight consecutive semesters of eligibility after they enter the 9th grade for the first time.
- Additional guidelines can be found at <u>handleypride.org</u>, located in the VHSL handbook
- All questions regarding athletics and activities should be directed to the Director of Student Activities.

National Collegiate Athletic Association (NCAA) Eligibility

- Students who wish to participate in NCAA Division I or II athletics in college must be certified by the NCAA Eligibility Center.
- Students must qualify academically and be cleared as an amateur student-athlete.
- NCAA academic eligibility is determined, in part, by performance in approved core courses as reflected on the student's official transcript.
- JHHS approved core courses are designated NCAA in the course catalog.
- For more information, students should visit <u>www.eligibilitycenter.org</u>.



Independent Study and Credit Recovery Policy

Independent Study

- WPS School Board may elect to offer independent courses that provide fewer than 140 clock-hours of instruction and award a standard 1.0 credit if the course meets the conditions outlined in this section of the regulation (Policy IKFD-R). The total number of standard credits that can be achieved via this waiver is four. If extenuating circumstances require additional standard credits that can be achieved via this waiver, approval by the superintendent's designee is required.
- With the exception of the clock-hour requirements, these courses shall meet all existing WPS regulations governing high school credit courses. Independent Study courses shall be graded on a pass-fail basis only. Students who wish to retake a course to improve their grade point average shall not be allowed to use Independent Study as an option and instead should repeat the full course in a subsequent school year or in a summer session.

Credit Recovery Option

With principal approval, high school students may pursue the Credit Recovery Option if the following criteria are met:

- The student previously completed the course through a WPS program and earned a failing grade (F);
- The high school is able to provide the resources, including a teacher with the required licensure and endorsements (in the area of the coursework) to facilitate the study for credit recovery;
- The assigned teacher shall consider the standards a student previously mastered, as indicated by the previous teacher, standardized assessment, or other locally developed assessment and may tailor course requirements based on previous learning;
- Successful completion of Credit Recovery Option will be assigned a grade of 60/D; and
- Credit Recovery Option must be completed in the subsequent semester.

Standardized Exams and Assessments

Preliminary SAT (PSAT)

- The PSAT measures verbal and math reasoning skills as well as writing skills.
- Students benefit from practice in taking the test and can identify academic strengths and weaknesses while they have time to work to improve their scores.
- The PSAT is required for all 10th graders and 11th graders are given the opportunity to retest if they choose to do so. The testing takes place in the fall during the school day at no cost to the student.
- 11th grade students can enter special scholarship competitions such as the National Merit Scholarship Qualifying Test.

SAT

- The SAT Reasoning Test measures critical reading, mathematics, and writing skills.
- Standardized test scores such as the SAT are often required as part of the college admissions process.
- Students are encouraged to sit for the SAT in 11th grade and may repeat the test two or more times.
- The SAT test is given several times each year at local high schools.
- Students must register online approximately four weeks prior to the test date at <u>www.collegeboard.com</u>.
- Fee waivers are available for eligible students.

American College Test (ACT)

- The ACT measures academic achievement in English, mathematics, reading, and science.
- Students may elect to take the writing subtest (students should check with their colleges of interest to see if the writing test is required).
- Most colleges accept ACT and/or SAT scores for admission purposes.
- Registration materials and study guides are available in the school counseling office and online at <u>www.actstudent.org</u>.
- Students may find it advantageous to take both the ACT and SAT as colleges will generally utilize the best scores.

Advanced Placement (AP)

- AP courses, taught by dedicated and committed high school teachers, lay the groundwork for students to succeed at the collegiate level.
- Students are strongly encouraged to participate in AP examinations.
- WPS will assume the cost of AP testing for all students who choose to take an AP exam.
- AP exams are administered in May of each year on national test dates set by the AP Program.
- Students who wish to sit for an AP exam, but are not enrolled in the corresponding JHHS AP course should see the high school AP Coordinator at the start of the school year.
- Careful consideration should be given in selecting AP courses as they are designed for students who have mastered the basic skills and are able to learn independently.
- Completion of these courses, with acceptable AP exam scores, may lead to credit and/or advanced placement at colleges and universities.

Career and Technical Education (CTE)

Career and Technical Education (CTE) provides students with an abundance of opportunities to explore career options in settings that anticipate and address every student's needs. Our students are entering a highly competitive workforce and to be career and college ready they need to be able to integrate 21st Century skills, technical knowledge and skills, and core academic knowledge.

With an emphasis on real world, problem-based learning, and real life skills we strive to provide the opportunities for all students to get the exposure they desire to graduate from Winchester Public Schools ready for what's next in life. There is nothing more exciting than seeing students engaged in studies and real world projects that spark their imaginations. From carpentry, welding, applied materials, to medical labs, to materials and processing we are providing hands-on courses that are aligned with rigorous industry and academic standards. Here you will see examples of the career pathway opportunities and some sample career options.

To learn more about the Emil and Grace Shihadeh Innovation Center, the academies, and associated career pathways and sample career options go to page 73.

Business Information Technology



Arts, Audio-Visual Technology, and Communications



Career and Technical Education (CTE) Courses and Completers

The following pages contain CTE courses and available completer courses. A CTE Completer is a student who has earned two or more standard high school credits for state-approved courses in a CTE concentration and meets the requirements for high school graduation. A concentration is a coherent sequence of two or more courses within a program area as defined by the Virginia Department of Education (VDOE). Bold level course is completed by *one* of the bulleted courses listed below it.

Business & Information Technology

Accounting

- Advanced Accounting
- Computer Information Systems
- Advanced Computer Information Systems
- Design, Multimedia, & Web Technologies
- Adv. Design, Multimedia, & Web Technologies
- Entrepreneurship
- Medical Systems Administration
- Principles of Business & Marketing

Advanced Accounting

- Computer Information Systems
- Advanced Computer Information Systems
- Design, Multimedia, & Web Technologies
- Adv. Design, Multimedia, & Web Technologies
- Entrepreneurship
- Medical Systems Administration
- Principles of Business & Marketing

Computer Information Systems

- Accounting
- Advanced Accounting
- Advanced Computer Information Systems
- Design, Multimedia, & Web Technologies
- Adv. Design, Multimedia, & Web Technologies
- Entrepreneurship
- Information Technology Fundamentals
- Medical Systems Administration
- Principles of Business & Marketing
- Computer Programming
- Advanced Computer Programming

Advanced Computer Information Systems

- Accounting & Advanced Accounting
- Computer Information Systems
- Design, Multimedia, & Web Technologies
- Adv. Design, Multimedia, & Web Technologies
- Entrepreneurship
- Information Technology Fundamentals
- Medical Systems Administration
- Principles of Business & Marketing
- Computer Programming
- Advanced Computer Programming

Economics & Personal Finance

• Graduate Requirement- Not a completer course

Medical Systems Administration

- Accounting & Advanced Accounting
- Computer Information Systems
- Advanced Computer Information Systems
- Design, Multimedia, & Web Technologies
- Adv. Design, Multimedia, & Web Technologies
- Information Technology Fundamentals
- Introduction to Health & Medical Sciences
- Principles of Business & Marketing

Entrepreneurship

- Accounting
- Advanced Accounting
- Computer Information Systems
- Advanced Computer Information Systems
- Marketing
- Advanced Marketing
- Principles of Business & Marketing
- Sports and Entertainment Marketing

Design, Multimedia, and Web Technologies

- Accounting and Advanced Accounting
- Computer Information Systems
- Advanced Computer Information Systems
- Adv. Design, Multimedia, & Web Technologies
- Information Technology Fundamentals
- Medical Systems Administration
- Principles of Business & Marketing
- Computer Programming
- Advanced Computer Programming

Advanced Design, Multimedia, and Web Technologies

- Accounting & Advanced Accounting
- Computer Information Systems
- Advanced Computer Information Systems
- Design, Multimedia, & Web Technologies
- Information Technology Fundamentals
- Medical Systems Administration
- Principles of Business & Marketing
- Computer Programming

Advanced Computer Programming

Principles of Business & Marketing

- Accounting
- Advanced Accounting
- Computer Information Systems
- Advanced Computer Information Systems
- Design, Multimedia, & Web Technologies
- Advanced Design, Multimedia, & Web Technologies
- Entrepreneurship

Computer Programming

•

- Marketing
- Advanced Marketing
- Medical Systems Administration
- Sports Entertainment Marketing

Information Technology Fundamentals

- Computer Information Systems
- Advanced Computer Information Systems
- Design, Multimedia, & Web Technologies

Medical Systems Administration

Computer Information Systems

Advanced Computer Programming

• Adv. Design, Multimedia, & Web Technologies

Advanced Computer Information Systems Design, Multimedia, & Web Technologies

Adv. Design. Multimedia. & Web Technologies

Continued

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Business & Information Technology

Advanced Computer Programming

- **Computer Information Systems**
- Advanced Computer Information Systems
- Design, Multimedia, & Web Technologies
- Adv. Design, Multimedia, & Web Technologies
 - Computer Programming

Career Connections

Virginia Teachers for Tomorrow

- Virginia Teachers for Tomorrow I
- Virginia Teachers for Tomorrow II •

Marketing

Principles of Business & Marketing

- Accounting
- Advanced Accounting •
- Computer Information Systems •
- Advanced Computer Information Systems •
- Design, Multimedia, & Web Technologies •
- Adv. Design, Multimedia, & Web Technologies •
- Entrepreneurship •
- Marketing •
- Advanced Marketing
- Medical Systems Administration
- Sports Entertainment Marketing

Marketing

- Entrepreneurship
- Advanced Marketing
- Principles of Business & Marketing
- Sports Entertainment Marketing

Advanced Marketing

- Entrepreneurship •
- Marketing
- Principles of Business & Marketing
- Sports Entertainment Marketing

Sports Entertainment Marketing

- Entrepreneurship
- Marketing
- Advanced Marketing
- Principles of Business & Marketing

Technology / Trade and Industrial Education Industrial Maintenance I

Industrial Maintenance II

Industrial Maintenance II

• Industrial Maintenance I

Imaging Technology

- Video & Media Technology
- Video & Media Technology
 - Imaging Technology

Advanced Technologies Academy

Cybersecurity Fundamentals

Cybersecurity Systems Technology I •

Cybersecurity Technology I

- Cyber Security Fundamentals
- Advanced Cyber Security Technology II

Advanced Cybersecurity Technology II

- Cybersecurity Technology I
- **Electronic Systems I**
 - Electronic Systems II

Electronic Systems II

Electronic Systems I •

Professional Skills Academy

Materials & Processes Technology

• Technical Drawing and Design

Welding I

- Welding II
- Welding II
 - Welding I •

Carpentry I

Carpentry II •

Carpentry II

Carpentry I •

Technical Drawing & Design

- Materials & Processes Technology •
- Architectural Drawing and Design

Architectural Drawing and Design

Technical Drawing and Design •

Electricity I

Electricity II •

Health Science Academy

Introduction to Health & Medical Sciences

- Medical Systems Administration •
- Medical Laboratory I
- Nurse Aide I
- Physical/Occupational Therapy I
- **Emergency Medical Technician I**
- **Emergency Medical Technician II**

Emergency Medical Technician II

Emergency Medical Technician I •

Firefighting I

Firefighting II

Medical Laboratory Technology I

Introduction to Health & Medical Sciences •

Medical Laboratory Technology II

- Medical Laboratory Technology I •
- Nurse Aide I
 - Introduction to Health & Medical Sciences ٠

Introduction to Health & Medical Sciences

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• Nurse Aide II

Nurse Aide II

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- Nurse Aide I •
 - Patient Care Technician

Physical/Occupational Therapy I

Patient Care Technician Nurse Aide II

High-Quality Work-Based Learning High-Quality Work-Based Learning (HQWBL) consists of school-coordinated workplace experiences related to students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations. WBL experiences are opportunities for students to apply and refine knowledge, attitudes, and skills through professionally coordinated and supervised work experience directly related to career goals. The Virginia Department of Education (VDOE) recognizes 11 types of WBL experiences, and certain experiences are eligible for high school credit. The below provides an overview of the types of learning experiences. * See the Test for Unpaid Interns and Students, Fact Sheet #71: Internship programs Under the Fair Labor Standards Act.

Course Number if Credit may be Earned	Method	Description	Paid or Unpaid	Work Experience Hours Required	Credit Awarded	Meets Graduation Requirement
Not Applicable	Job Shadowing	Short-term experience that allows a student to explore a career or cluster	Unpaid	At least four hours	No	No
Not Applicable	Externship	Longer-term job shadow that allows more in depth career exploration at a business or industry site	Unpaid	40 hours	No	Yes (at least 40 hours)
H9190EY	Mentorship	In depth opportunity to learn about an industry through visits and completion of a related project	Unpaid	Varies by program	0.5 for every 140 hours completed	Yes (at least 140 hours)
Not Applicable	Service Learning	Community service planned by students and directly related to their CTE course and instruction	Unpaid	Varies by program	No	Yes
Not Applicable	School-Based Enterprise	A school-based enterprise is an ongoing, student-managed, entrepreneurial operation within the school setting.	Unpaid	Varies by program	No	Yes
H9180EY	Internship	Hands-on experience for students to prepare for a career.	*Could be either Refer to FLSA Criteria	280 hours	1 credit for every 280 hours completed	Yes
Not applicable	Entrepreneurship	The student plans, implements, operates, and assumes financial risks in a business that produces goods or delivers services.	Paid	Varies according to type	1 credit for 280 hours	Yes
Not applicable	Clinical Experience	Clinical experience allows health and medical science students to integrate knowledge acquired in the classroom with clinical practice.	Unpaid	36 Weeks/280 Hours	No	Yes
H9210EY, H9120EY, H9160EY, H9130EY, C9140EY, H9200EY	Cooperative Education	Hands-on work experience directly related to a CTE course	Paid	280 hours	1 credit for every 280 hours completed	Yes
Not Applicable	Youth Registered Apprenticeship	Enrollment in a CTE course with related on-the-job training provided by the employer	Paid	280 hours	1 credit for every 280 hours completed	Yes

Not Applicable	F
	A

Registered Apprenticeship Varies by

Program

Industry Credentials Opportunities

Industry Credentials provide students the opportunity to earn an industry recognized certification that demonstrates the skills attained while in high school. Credentials earned should be added to a student's resume when applying for future jobs.



Continuous Non-Discrimination Notice

The Winchester Public School Board is committed to nondiscrimination with regard to sex, sexual orientation, gender, gender identity, race, color, national origin, disability, religion, ancestry, age, marital status, pregnancy, childbirth or related medical conditions, disability, status as a veteran, genetic information or any other characteristic protected by law or based on a belief that such characteristic exists.

This commitment prevails in all of its policies and practices concerning staff, students, educational programs and services, and individuals and entities with whom the Board does business.

Please contact the individuals below regarding inquiries on our non-discrimination policies:

Title IX Coordinator

Jennifer Buckley *Director of Student Services* 12 N. Washington Street Winchester, VA 22601 (540) 667-4253

Section 504 Coordinator

Dr. Erin Kirkland *Coordinator of Special Education* 12 N. Washington Street Winchester, VA 22601 (540) 667-4253

COURSE OFFERINGS

AP Biology

Physics

Chemistry AP Chemistry

Health Sciences Academy

Firefighting I/II

Nurse Aide II

Social Studies

Anatomy & Physiology*

Virginia & U.S. History AP U.S. History*

Virginia & U.S. Government

AP Government and Politics*

Introduction to Psychology

History of Latin America

African American History

Industrial Maintenance I

Work-Based Learning

Industrial Maintenance II

Imaging Technology Video and Media Technology

Cooperative Office Education

Internship Library Student Aide

Mentorship

AP Latin

World Language

Health Science Cooperative Education

Marketing Cooperative Education

Astronomy AP Physics 1 - Algebra Based*

AP Physics 2 - Algebra Based* AP Physics C (Mechanics)*

Introduction to Health and Medical Sciences

World History & Geography to 1500 Honors World History & Geography to 1500

World History and Geography 1500 - Present AP World History: Modern*

Technology / Trade and Industrial Education

Advanced Technologies Academy Cooperative Education

Nurse Aide Cooperative Education Professional Skills Academy Cooperative Education

German I, German II, German III, German IV

Spanish I, Spanish II, Spanish III, Spanish IV

*DE with Laurel Ridge Community College

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DE with Shenandoah University *dependent upon School Board approval

AP German Language and Culture French I, French II, French III, French IV

AP French Language and Culture Latin I, Latin II, Latin III

AP Spanish Language and Culture AP Spanish Literature and Culture

Spanish for heritage speakers I

Spanish for heritage speakers II

Spanish for heritage speakers III

Advanced Technologies Academy

Electronic Systems I

Electronic Systems II

Cybersecurity Fundamentals

Cybersecurity Technology I* Advanced Cybersecurity Technology II*

Physical / Occupation Therapy I/II

Medical Laboratory Technology II* Nurse Aide I

Emergency Medical Technician I/IIPatient Care Technician

AP Environmental Science

This page contains a listing of all courses in the high school curriculum.

Academic Support

- Study Skills I Study Skills II
- Study Skills for Success in Advanced Courses

Adaptive/Special Education

- Essentialized English
- Essentialized Math Essentialized Science
- Essentialized History and Social Studies
- Life Skills Reading
- Life Skills Math
- Independent Living Skills
- Vocational Skills Community Skills
- Recreational and Leisure Skills
- Resource Reading Resource Math
- Resources Social Skills
- Foundations of Algebra
- Reading I Reading II
- Adaptive Physical Education Personal Living and Finance

Business & Information Technology

- Accounting Advanced Accounting
- Computer Information Systems (CIS)
- Advanced Computer Information Systems* Economics & Personal Finance
- Medical Systems Administration*
- Entrepreneurship Design, Multimedia, & Web Technologies*
- Advanced Design, Multimedia, & Web Technologies
- Principles of Business and Marketing Information Technology Fundamentals
- Computer Programming
- Advanced Computer Programming*

Career Connections

- Virginia Teachers for Tomorrow I**
- Virginia Teachers for Tomorrow II**

English

- English 9 Honors English 9
- English 10
- Honors English 10
- English 11
- AP English Language and Composition*
- English 12
- AP English Literature and Composition* Forensics Speech
- Dehate
- Creative Writing & Miscellanea*
- Yearbook

English Learners

- English as a Second Language I English as a Second Language II
- English as a Second Language III
- Transitional English for ELs (9/10) Transitional English for ELs (11/12)
- English 9 for ELs EL Literacy Skills
- EL Integrated Science
- Biology for ELs Algebra 1 for ELs (Part 1 and Part 2)
- EL Algebra Readiness EL Strategies for Success

Fine Arts Art Courses

- Art Foundations
- Drawing & Painting I
- Drawing & Painting II
- Sculpture I Fine Arts Cont'd.

Art Courses Cont'd.

- Sculpture II
 - AP Studio Art: 2-D Design
 - AP Studio Art: 3-D Design
 - AP Studio Art: Drawing
- **Music Courses**
 - Symphonic Band

- Beginning Guitar
- Intermediate Guitar Jazz Ensemble and Improvisation
- Vocal Music Courses
 - Treble Ensemble
 - Advanced Treble Ensemble Concert Choir

Professional Skills Academy

- Materials and Processes Technology
- Welding I/II
- Carpentry I/II
- Electricity I/II
- Architectural Drawing and Design Technical Drawing and DesignChamber Choir
- Gaveliers
- The Handley Singers

Fine Arts Cont'd.

- Art Courses Cont'd.
 - Sculpture II
 - AP Studio Art: 2-D Design AP Studio Art: 3-D Design
 - AP Studio Art: Drawing
- Music Courses
 - Symphonic Band
 - Beginning Guitar Intermediate Guitar
 - Jazz Ensemble and Improvisation Basic Ukulele
- Vocal Music Courses
 - Treble Ensemble Advanced Treble Ensemble
 - Concert Choir
 - Chamber Choir
 - Gaveliers The Handley Singers
- Theatre Arts Courses Theatre I Theatre II

Theatre III

Kinesiology & Health

PE

Marketing

Mathematics

Science

Theatre IV Technical Theatre

Marketing Advanced Marketing

Kinesiology 9 - Health & PE Kinesiology 10 - Driver Education, Health &

Advanced Kinesiology - Team Sports

Sport, Exercise, and Health Science

Entrepreneurship Sports Entertainment Marketing

Algebra I Part I, Algebra 1 Part 2

Algebra, Functions and Data Analysis

Algebra I Algebra I Part 1 and Part 2

Geometry Honors Geometry

Honors Algebra II

Probability and Statistics Calculus A&B*

Environmental Science

Algebra II

Pre-Calculus*

AP Statistics*

AP Calculus AB*

AP Calculus BC*

Computer Math

Data Science

Earth Science

Honors Biology

Biology II: Ecology

Biology

Principles of Business and Marketing

Advanced Kinesiology-Team Sports II Advanced Kinesiology - Weight Training

Advanced Kinesiology-Weight Training II

ACADEMIC SUPPORT

Study Skills I		Course No. H	H9171EY
Elective	Prerequisite: none	Year-Long	1 credit
specific content measured on the t	ontent standards covered on specific SOL tests. T est and on study and test taking strategies. Specific ect teaching and computer-assisted instruction ta <i>fail basis.</i>	fic diagnostic informa	ation from

Study Skills II		Course No. I	H9171EY
Elective	Prerequisite: none	Year-Long	1 credit
course will focus on specific conter diagnostic information from practi targeting each student's knowledg skills that match their learning styl	of skills for the review of content standards cover at measured on the test and on study and test tak ce SOL testing will guide direct teaching and com e and skills deficits. This course also teaches stud les and how to apply creativity, communication, c rses and their post-secondary experiences. <i>fail basis.</i>	ing strategies. Specif puter-assisted instru lents to select specifie	ic iction c study

Study Skills for Success in Advanced CoursesCours No. H9172EY			
Elective	Prerequisite: none	Year-Long	1 credit
This course is designed to support students who are taking an advanced, AP, or Dual Enrollment course with study skills for enhanced success in the advanced course.			

This class shall be graded on a pass-fail basis.

ADAPTIVE and SPECIAL EDUCATION

These courses are designed for qualifying students.

Essentialized Science		Course No. I	H3061EY	
Elective	Prerequisite: none	Year-Long		
This course is designed to support the Virginia Essentialized Standards of Learning in Science. Students may				
enroll in this class each year of high	h school participation, as appropriate. Instructio	n and pacing are		
individualized based on the needs of the student, including needs identified in the Individual Education Plan				
(IEP). Participation in this course will support students in fulfilling the requirements for the Virginia Alternate				
Assessment Program (VAAP).				

Essentialized Math		Course No. H	12004SY	
Elective	Prerequisite: none	Year-Long		
This course is designed to support the Virginia Essentialized Standards of Learning in Mathematics. Students				
may enroll in this class each year of high school participation, as appropriate. Instruction and pacing are				
individualized based on the needs of the student, including needs identified in the Individual Education Plan				
(IEP). Participation in this course will support students in fulfilling the requirements for the Virginia Alternate				
Assessment Program (VAAP).				

Essentialized English		Course No.	.H1001SY
Elective	Prerequisite: none	Year-Long	
This course is designed to support the Virginia Essentialized Standards of Learning in English including areas of			
reading and writing. Students may enroll in this class each year of high school participation, as appropriate.			
Instruction and pacing are individualized based on the needs of the student, including needs identified in the			
Individual Education Plan (IEP). P	Individual Education Plan (IEP). Participation in this course will support students in fulfilling the requirements		

for the Virginia Alternate Assessment Program (VAAP).

Essentialized History and Social Science		Course No. H4033SY
Elective	Prerequisite: none	Year-Long

This course is designed to support the Virginia Essentialized Standards of Learning in History and Social Science. Students may enroll in this class each year of high school participation, as appropriate. Instruction and pacing are individualized based on the needs of the student, including needs identified in the Individual Education Plan (IEP). Participation in this course will support students in fulfilling the requirements for the Virginia Alternate Assessment Program (VAAP).

Life-Skills Math		Course No.	H9012SY
Elective	Prerequisite: none	Year-Long	
This adapted curriculum course is designed to reinforce basic mathematical skills with real world applications for			
students who have sufficed the requirements for an Applied Studies Diploma based upon VAAP qualifications.			
Instruction and pacing are individualized based on the needs of the student, including needs identified in the			
Individual Education Plan (IEP).			

Life-Skills Reading		Course No. H	9011SY
Elective	Prerequisite: none	Year-Long	
This adapted curriculum course is designed to reinforce basic reading and writing skills with real world applications for students who have sufficed the requirements for an Applied Studies Diploma based upon VAAP			
qualifications. Instruction and pac identified in the Individual Educati	ing are individualized based on the needs of th on Plan (IEP).qualifications.	ne student, including ne	eds

Community Skills		Course No.	.H4002SY
Elective	Prerequisite: none	Year-Long	
This adapted curriculum course is designed to develop functional skills necessary for community integration with			
maximum independent functioning. Instruction and pacing are individualized based on the needs of the student,			
including needs identified in the Individual Education Plan (IEP) in the areas of community access such as money			
handling, social skills, self-management, and self-advocacy. This course is designed for students who have sufficed			
the requirements for an Applied Stu	dies Diploma following the Virginia Essentialized	Standards of Learn	ning. Ad

Recreation and Leisure Skills Course No		19173EY	
Elective	Prerequisite: none	Year-Long	

This adapted curriculum course is designed to prepare students to participate in age-appropriate activities that promote well-being, socialization, and community access. Instruction is individualized to meet the needs of the student. Instruction and pacing are individualized based on the needs of the student, including needs identified in the Individual Education Plan (IEP). This course is designed for students who have sufficed the requirements for an Applied Studies Diploma following the Virginia Essentialized Standards of Learning.

Vocational Skills		Course No. H9174EY	
Elective	Prerequisite: none	Year-Long	
This adapted curriculum course is designed to develop appropriate work-related behaviors in order to prepare			
students for participation in community-based work sites or employment. Instruction and pacing are			
individualized based on the needs of the needs of the student, including needs identified in the Individual			
Education Plan (IEP) in the ar	oas of vocational skills identification ovnlor	ation and dovelonment with real world	

Education Plan (IEP) in the areas of vocational skills identification, exploration, and development with real-world applications. This course is designed for students working towards an Applied Studies Diploma following the Virginia Essentialized Standards of Learning.

Independent Living Skills		Course No. 1	H9021SY	
Elective	Prerequisite: none	Year-Long		
This adapted curriculum course is designed to develop functional skills necessary for independent living.				
Instruction and pacing are individualized based on the needs of the student, including needs identified in the				
Individual Education Plan (IEP) in areas of independent living such as housekeeping, meal planning and				
preparation, hygiene and self-management. This course is designed for students working towards an Applied				
Studies Diploma following the Virg	inia Essentialized Standards of Learning.			

Personal Living and Finance Course No. H200		H2003SY	
Elective	Prerequisite: none	Year-Long	
This course includes computing and understanding taxes, preparing and balancing a personal/family budget, managing debt, comparing various savings options, and identifying consumer rights and responsibilities.			

Resource R Course No. H900			H9001SY
Elective	Prerequisite: none	Year-Long	
1 0	ling academic assistance. Instruction is in the Individual Education Plan (IEP). s within their academic classes.		

Resource M		Course No	. H9002SY
Elective	Prerequisite: none	Year-Long	
	academic assistance. Instruction is individualized the Individual Education Plan (IEP). Students re within their academic classes.		

Resource SS Course No. H		H9003SY	
Elective	Prerequisite: none	Year-Long	
student including identified needs	ademic assistance. Instruction is individualized to in the Individual Education Plan (IEP). Students ses within their academic classes.		

Resource		Course No. I	H9004SY	
Elective	Prerequisite: none	Year-Long		
This course provides targeted academic assistance. Instruction is individualized to meet the needs of the student including identified needs in the Individual Education Plan (IEP). Students receive individualized				
according to needs and weakness	ses within their academic classes.			

Foundations of Algebra		Course No. H	12011SY
Elective	Co-requisite: enrolled in Algebra 1	Year-Long	
following six sections that are repo	e and build prior knowledge for Algebra. Instruc orting categories of the Virginia SOL for Mathema , measurement, geometry, probability and statis	atics: number and nu	mber

Reading I		Course No. I	H1101SY
Elective	Prerequisite: none	Year-Long	
accuracy, and comprehension. Three learn about making predictions, di	ase their reading skills/ability. This course will focu oughout this semester students will also work on sp fferentiating between fiction and non-fiction and re I to a variety of materials and receive instruction on	elling skills. They cognizing essentia	will also Il sight

Reading II Course No. H1102S			H1102SY
Elective	Prerequisite: none	Year-Long	
students' reading fluency. Students v	duced to more varieties of text. This course will fo vill be introduced to novels and more intricate lite that they will need to pass the Virginia Standards	erature and will a	lso receive

Adaptive Physical Education		Course No. H	15002SY
Elective	Co-requisite: enrolled in Life Skills OR Living on Your Own	Year-Long	
identifying adapted physical educati each year of middle school participa	rse is designed for students who have Individual on services in the special education setting. Stud tion, as appropriate. Emphasis is on organized le signed based upon the student's present level of p participation.	ents may enroll in t ad-up modified fitn	his class less and

BUSINESS & INFORMATION TECHNOLOGY

Accounting

Elective: Grades 10-12

Prerequisite: none

Course No.H6091SY

Year-Long 1 credit

In this course, students will study the basic principles, concepts, and practices of the accounting cycle for a service business and a merchandising business. Topics covered include analyzing transactions, journalizing and posting entries, preparing payroll records and financial statements, and managing cash systems. Ethics and professional conduct are emphasized. Students learn fundamental accounting procedures using both manual and electronic systems. **The cooperative education method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.**

Advanced Accounting

Course No.H6092VY

Elective: Grades 11-12Prerequisite: AccountingYear-Long1 creditIn this course, students will gain knowledge of advanced accounting principles, procedures, and techniques used
to solve business problems and make financial decisions. Students work in a technology-integrated environment,
using accounting and spreadsheet software to analyze, synthesize, evaluate, and interpret business financial data
related to inventory, fixed assets, notes/accounts payable and receivable, implementation of a partnership and a
corporation, and other specialized accounting systems. Using authentic workplace scenarios that reflect current
industry trends and standards, students analyze financial data and acquire knowledge of business ethics. The
cooperative education method is available for this course. Students combine classroom instruction and
supervised on-the-job training in an approved position with continuing supervision throughout the
school year.

Computer Information Systems (CIS)

Course No.H6201DY

Elective: Grades 9-12Prerequisite: noneYear-Long1 creditThis course is recommended for all students whether they plan to enter the work force or enter college upon
graduation. Students are introduced to the use of Microsoft Office®, which includes word processing,
spreadsheets, databases, and graphics. Students apply problem-solving skills to complete integrated activities on
the computer. This course prepares students for industry certification tests. The cooperative education
method is available for this course. Students combine classroom instruction and supervised on-the-job
training in an approved position with continuing supervision throughout the school year.1 credit

Advanced Computer Info	rmation Systems	Course No.H6202DY
Electives Crades 10, 12, DE	Droroquisito, CIS	Voor Long 1 gradit

Elective: Grades 10-12; DEPrerequisite: CISYear-Long1 creditIn this course, students build on skills learned in Computer Information Systems to create advanced documents
prepared in Word, Excel, Access, and PowerPoint. Desktop Publishing will be taught using Microsoft Publisher®.Instruction and use of a digital camera and a scanner will allow students to enhance documents and
presentations. Using the Internet, students will learn to create Web pages using a programming language. This
course prepares students for industry certification tests. The cooperative education method is available for
this course. Students combine classroom instruction and supervised on-the-job training in an approved
position with continuing supervision throughout the school year.1 credit

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of each semester. Students who wish to take this course as a dual enrollment course can earn three college credits through Laurel Ridge Community College (Laurel Ridge Community College BUS 226). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

Economics & Personal Finance		Course No.H	16010RY	
Required	Recommended Grade Level: 10 and 11	Year-Long	1 credit	
In this course, students will learn h	now to navigate the financial decisions they must fa	ce and to make in	formed	
decisions related to career explora	tion, budgeting, banking, credit, insurance, spendin	g, taxes, saving, in	vesting,	
buying/leasing a vehicle, living ind	ependently, and inheritance. Development of finance	cial literacy skills	and an	
understanding of economic principles will provide the basis for responsible citizenship and career success. In				
addition to developing personal finance skills, students will also study basic occupational skills and concepts in				
preparation for entry-level employment in the field of finance. The course incorporates all economics and				
financial literacy objectives included in the Code of Virginia §22.1-200-03B. The cooperative education				
method is available for this course. Students combine classroom instruction and supervised on-the-job				
training in an approved position	with continuing supervision throughout the sc	hool year.		

Medical Systems Administration

Course No.H6160DY

Elective: Grades 11-12; DEPrerequisite: noneYear-Long1 creditIn this course, students seeking to gain employment in the medical field will learn how to function effectively in
a medical office environment by performing computerized account management activities using medical
account management software. Along with medical terminology and human anatomy and physiology, units of
instruction will include customer service activities, managing office activities, legal and business ethics, and
employability skills. Students will be exposed to real-world situations during the year from representatives
from the business community and through field trips. The cooperative education method is available for
this course. Students combine classroom instruction and supervised on-the-job training in an approved
position with continuing supervision throughout the school year.1

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of each semester. Students who wish to take this course as a dual enrollment course can earn six college credits through Laurel Ridge Community College (Laurel Ridge Community College HIM 111 & 112). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

Entrepreneurship		Course No.	H6260EY	
Elective: Grades 10-12	Prerequisite: none	Year-Long	1 credit	
This course introduces students to the exciting world of creating, owning, and launching their own business.				
Students will learn concepts and techniques for planning an innovative business and living the entrepreneurial				
lifestyle. The cooperative education method is available for this course. Students combine classroom				
instruction and supervised on-the-job training in an approved position with continuing supervision				
throughout the school year.				

Design, Multimedia, & Web Technologies (DMW) Course No.H6221			
Elective: Grades 10-12; DE	Prerequisite: none	Year-Long	1 credit
and Web sites using industry stand in completing publications and pro- mini-pages, Web pages, multimedia prepares students for Adobe CC inc for this course. Students combin	oficiency in creating Desktop Publications, multime lard application software. Students incorporate pri ojects. Students design portfolios that may include l a presentations/projects, calendars, and graphics. dustry certification tests. The cooperative educa a classroom instruction and supervised on-the ing supervision throughout the school year.	nciples of layout a business cards, ne Completion of thi ition method is a	and design ewsletters, is course available

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn three college credits through Laurel Ridge Community College (Laurel Ridge Community College ITD 110). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

Advanced Design, Multimedia, & Web Technologies		Course No.H	I6222VY	
Elective: Grades 11-12	Prerequisite: DMW	Year-Long	1 credit	
In this course, students develop ad	vanced skills in creating interactive media, Web site	es, and publication	ns for	
print and electronic distribution. Students work with sophisticated hardware and software, applying skills				
learned to real-world projects. Completion of this course prepares students for Adobe CC industry certification				
tests and other examinations, national assessments, or licensure examinations approved by the Virginia Board of				
Education. The cooperative education method is available for this course. Students combine classroom				
instruction and supervised on-the-job training in an approved position with continuing supervision				
throughout the school year.				

Information Technology Fundamentals		Course No	. H6200EY	
Elective: Grades 9-12	Prerequisites: none	Year-Long 1 credit		
This course introduces the essential technical and professional skills required for students to pursue programs				
leading to professional careers and information technology certifications. The course introduces skills related to				
digital technology, digital applica	ations, maintenance/upgrading/troubleshooting, and	networking fur	ndamentals.	

digital technology, digital applications, maintenance/upgrading/troubleshooting, and networking fundamentals. Students also explore ethical issues related to computers and Internet technology and examine web page and game design. This course is also offered at the middle school.

Computer Programming		Course No. I	H6211EY		
Elective: Grades 10-12	Prerequisite: none	Year-Long	1 credit		
This course is intended to provide	e students with experiences in using computer prog	ramming techniqu	ues and		
skills to solve problems and creat	e applications. Students will be using Python as the	programming lan	guage of		
this course. Python is a general-purpose programming language that emphasizes readability and algorithmic					
clarity. Student's programs will use basic programming concepts to solve problems and to create graphical					
programs. They will design, implement, and test their own programs. The class will include open-ended projects					
in which students will apply and extend their learning to make creative applications to problems they see in					
their own lives. The goal of this co	their own lives. The goal of this course is to provide the best possible introduction to learning programming				
languages and, therefore, prepare	the student for more advanced computer science composition of the student for more advanced computer science composition of the student for more advanced computer science composition of the student for more advanced computer science composition of the student for more advanced computer science composition of the student for more advanced computer science composition of the student for more advanced computer science composition of the student for more advanced computer science composition of the student for more advanced computer science composition of the student for more advanced computer science composition of the student for more advanced computer science composition of the student for more advanced computer science composition of the student for more advanced computer science composition of the student for more advanced computer science composition of the student for more advanced computer science computer	ourses.			

Advanced Computer ProgrammingCourse No. H6212V			H6212VY
Elective: Grades 11-12; DE	Prerequisite: Computer Programming	Year-Long	1 credit

In this course, students will learn the fundamentals of the Java language, learn how to use classes to create programs, and then learn how to write our own classes. Platform-independence of Java has allowed programmers to create applications for the masses making it one of the most utilized of programming languages. Inheritance and polymorphism along with abstract classes and interfaces will be studied. Students will use the concepts studied to write programs that use the Windows graphical user interface. Students will extend their programming skills to develop database applications, interactive multimedia applications including game applications, mobile applications, and Web applications. The goal of this course is to provide the best possible introduction to learning the Java programming language and, therefore, prepare the student for more advanced computer science courses.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn six college credits through Laurel Ridge Community College (Laurel Ridge Community College ITP 120 and Laurel Ridge Community College ITP 220). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

CAREER CONNECTIONS

Virginia Teachers for Tomorrow I		Course No.	H6921EY	
Elective: Grades 11-12; DE	Prerequisite: none	Year-Long	1 credit	
In this course, students build a foundation for teaching; learn the history, structure and governance of teaching; apply professional teaching techniques in the VTFT classroom; and reflect on their teaching experiences. This course fosters student interest, understanding, and appreciation of the teaching profession and allows secondary students to explore careers in education. Additional educational leadership opportunities are offered through the student organization, Future Educators Association.				
 Students must complete the following eligibility requirements to be considered for enrollment in the program: Have and maintain a minimum 2.7 grade point average or its equivalent; Submit three satisfactory teacher recommendations; and Submit a brief essay and application. 				

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn three college credits through Shenandoah University. Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

Virginia Teachers for Tomorrow II		Course No.	H6922EY
Elective: Grades 11-12; DE	Prerequisite: VA Teachers for Tomorrow I	Year-Long	1 credit
In this subsequent course students continue to explore careers in the Education and Training Cluster and pathways. This course provides the opportunity for students to prepare for careers in education as they resear postsecondary options, learn about the process of teacher certification in Virginia, and participate in a practice experience.		y research	
Students must complete the follow	ving eligibility requirements to be considered for e	nrollment in the p	rogram:

- Have and maintain a minimum 2.7 grade point average or its equivalent;
- Submit three satisfactory teacher recommendations; and
- Submit a brief essay and application.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn three college credits through Shenandoah University. Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

ENGLISH

English Instructional Sequence Options



English 9		Course No.I	H1010RY
Required: NCAA	Prerequisite: none	Year-Long	1 credit
variety of texts including fiction, no incorporate them in a research pro vocabulary. Context clues and infe blending multiple forms of writing	ral communication, writing, and literary analysis. S on-fiction, drama, and poetry. Students will learn to oduct. Word origins, derivations, and figurative lan rence practice will be emphasized. The writing con g including embedding a narrative while developing Mechanics and grammar with sentence, paragraph	o cite sources and guage study will e nponent will inclu g a central idea, too	nhance de ne, and

Honors English 9 Course		Course No.H	H1011HY
Required: NCAAPrerequisite: noneYear-Long1		1 credit	
This course will engag	e students in analytical reading, writing, discussion, and resea	rch. The course w	vill focus
on texts requiring annotative reading and contextual understanding. Students will understand the importance of			
small decisions made by authors that significantly enhance literature. Literature study will center around essays,			
short stories, novels, and poetry in both nonfiction and fiction. Students will engage in Socratic discussion while			
learning to write analytical responses to literature. Students will produce, analyze, and evaluate a variety of			
media and extend vocabulary through study. Students will write recursively in a variety of forms using enhanced			
mechanics and structu	res. Note that oral presentation and discussion are a coursewo	ork requirement.	

English 10		Course No.I	H1022RY
Required: NCAA	Prerequisite: English 9	Year-Long	1 credit
differences in visual, auditory, and origins and derivatives. Reading w different cultures and eras. Studen thesis claim that incorporates an e create a focused, organized, and co will write persuasively using exam	pate in varied learning activities. Students will an written messages. Students will extend vocabula ill encompass interpretation of non-fiction texts a ts will research and organize ideas and evidence mbedded narrative. Students will employ the rec oherent piece of writing to address a specific audi ples, ideas, specific details, and word choice to su preparing for the state mandated EOC Writing SC	ry through study of as well as literature to support a well we cursive writing proc ence and purpose. S upport a clear and fo	word from ritten ess to Students ocused

Honors English 10	onors English 10 Course No.H10		o.H1022HY
Required: NCAA	Prerequisite: English 9 Recommendation: Honors English 9	Year-Long	1 credit

This course will engage students to think deeply and richly about both fiction and nonfiction texts. Skills from English 9 will be further developed as the course focuses on various forms of literary media and writing. The study of different literature forms, such as poetry, novels, short stories, and non-fiction essays, will result in analytical writing and socratic discussion. The course places a heavy emphasis on a variety of writing skills, with a focus on persuasion. Instructional strategies and lessons will provide students with the vocabulary to begin the art of literature analysis. Because this course is a prep course for AP English courses, emphasis is placed on preparing students for success in the upcoming AP Language and AP Literature courses. Note that oral presentation and discussion are a coursework requirement. Students will be preparing for the state mandated EOC writing SOL during this course.

English 11		Course No.I	H1033RY
Required: NCAA	Prerequisite: English 10	Year-Long	1 credit
and culture while preparing for th the recursive process, students will supporting evidence for expanded word origins, derivations, and figu	d, comprehend, and analyze relationships among e SOL EOC reading test to be taken in the spring ll focus on creating multiple reading responsive of American literary themes. Through authentic te rative language to expand vocabulary and enhan are and literature. Bias, false premise, appeals, a	of the course year. U compositions that in xts, the student will ace their understand	Itilizing clude learn ing of the

AP English Language and Composition Course No.H10			H1051BY	
Required: DE; NCAA	Prerequisite: successful completion of Honors English 9 AND/OR English 10 OR English teacher recommendation	Year-Long	1 credit	
ml				

This course is based on the AP English Language and Composition curriculum established by the College Board. Students will read a variety of fiction and nonfiction texts meant to spark rich discussion about debatable real world issues and how an author's rhetoric impacts what we believe about them. In addition, this course focuses intensely on academic writing with specific instruction relating to analysis and argumentation. The skills taught in this course will thoroughly prepare students, not only for the associated AP exam, but also for the classes they will take at the college level.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of each semester. Students who wish to take this course as a dual enrollment course can earn six college credits through Laurel Ridge Community College (Laurel Ridge Community College ENG 111 & 112). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.
English 12	ish 12 Course No.H1044		
Required: NCAA	Prerequisite: English 11 or AP English Language and Composition	Year-Long	1 credit

In this course students will survey British literature while learning oral and written communication skills needed in the work place and post secondary training. Students will develop and enhance their previous study of media literacy and evaluate sources including advertisements, editorials, blogs, Web sites, and other media for relationships between intent, factual content, and opinion. Students will use the writing process to create essays, resumes, evaluations, and other workplace written and presentation material. Students will synthesize the reading, writing and thinking and develop a project focusing on an authentic worldly issue of importance while incorporating connections between literature and society.

AP English Literature and Composition		Course No	.H1052BY
Required: DE; NCAA	Prerequisite: English 11 or AP English Language and Composition and Grade of B or higher in previous English course and English teacher consultation.	Year-Long	1 credit

This course is based on the AP curriculum suggested by the College Board as well as the British Literature course description at Laurel Ridge Community College. Students engage in the intensive study of literary works, and the study and practice of writing about literary works; they will continue writing essays in exposition and argument.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn three college credits through Laurel Ridge Community College (Laurel Ridge Community College ENG 245). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits

Forensics Speech		No.I	Course H1081EY
Elective: Grades 9-12	Prerequisite: none	Year-Long	1 credit
Forensics Team. Students will be in League, the Virginia High School L used in original oratory, class time rules and format and learning effe- interpretation, the course will focu in dramatic, humorous, poetry, pro- Assessment of progress may invol- with the team, students will be exp	e creative and articulate, and are interested in compet ntroduced to competition events approved by the Sher eague, and the National Speech and Debate League. Fo will involve researching topics using Modern Languag ctive speech delivery techniques. For those students in is on selecting, cutting, editing and delivering interpre- ose and duo events. Impromptu speaking will also be a ve both writing- and performance-based methods. In a pected to participate in one other event such as Poetry cs event, or speaking at a school assembly.	nandoah Valley or persuasive sp ge Association (nterested in stations of litera a focus of the cla addition to com	Forensics beeches (MLA) ary works ass. peting
Debate		No I	Course

		No.H	H1082EY	
Elective: Grades 9-12	Prerequisite: none	Year-Long	1 credit	
In Debate, students must be articu	late, argumentative, and willing to put forth the effort	needed to be		
competitive in debate events in the	e Shenandoah Valley Forensics League, the Virginia Hi	gh School Leag	ue, and	
the National Speech and Debate Le	the National Speech and Debate League. This is a performance based course, thus it is anticipated that students			
taking the course will attend and p	erform in debate tournaments. To that end, class time	e will be spent	preparing	
for upcoming debate tournaments	through research, writing, editing, and delivering spe	eches. Progress	s towards	
objectives will be measured by both written and performance-based methods. Instruction on the following				
events may be included in this class: public forum debate, Lincoln Douglas Debate, Student Congress, Class				
Policy, and Extemporaneous Speal	ing.			

Creative Writing & Miscellanea Course No.H1090EY			
Elective: Grades 9-12; DE (11th and/or 12th only); NCAA	Co-requisite for Dual Enrollment: AP English Language and Composition (ENG. 111 and 112)	Year-Long	1 credit
the opportunity to write in a va	ades 9-12 interested in developing their creative writing riety of genres, receive feedback from their peers and ext students must be open to sharing their writings and cr	tensively revise	e a

finished collection of their work. Students must be open to sharing their writings and critiquing the works of others. Students must submit an application with a writing sample and recommendation from a previous English teacher. Students will also create and publish the literary/art magazine Miscellanea.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn three college credits through Laurel Ridge Community College (Laurel Ridge Community College 211). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits

Yearbook		Course No. H	11104EY
Elective: Grades 10-12	Prerequisite: application and instructor approval	Year-Long	1 credit
areas: page design, publishing tech teamwork, marketing, and leaders innovative publication which will n	ual student publication. In this course, students wi miques, copywriting, editing, photography, record hip skills. Students are tasked with producing a tin record our school's community, memories and even or additional credits with no more than one per	keeping, time man 1eless, creative, an 1ts.	lagement,

ENGLISH LEARNERS

The EL Program is designed for students entering John Handley High School who are still acquiring English as a native speaker of another language. Students who arrive at John Handley High School as new transfer students with a language other than English recorded on their Home Language Survey will be screened using the WIDA MODEL Screening test. This test will provide scores for listening, speaking, reading, and writing, and it will give the student an overall English proficiency level which helps to determine placement. The EL Program offers sheltered classes for students to work on developing English language skills and fluency as well as content area skills. The program also offers co-taught support classes in several content areas.

English as a Second Language ICourse N		Course No.	H1003LS	
Elective	Co-enrolled with English as a Second Language II	Semester	1 credit	
This course is designed to provide an intensive introduction to English for Newcomer English Learners with an overall proficiency level 1, based on the WIDA ACCESS test, or the WIDA MODEL Screener. Students will take				
	age I and English as a Second Language II during their first s			
goals of the additional block of English as a Second Language will be for these newcomer students to develop				
confidence with English Or	al language in the social and instructional areas, otherwise	known as surviv	al English.	

The goals of this course will be an introduction to academic language in English listening, speaking, reading, and writing which are needed for success in high school coursework. This course will meet every day on the A/B schedule in a semester.

**Students will receive an elective credit in the area of World Language for this class

English as a Second Language IICourse No.H1006			.H1006LS
Elective	Co-enrolled with English as a Second Language I	Semester	1 credit
2, based on the WIDA ACCES social/instructional and acad academic language in Englis	rovide instruction for English Learners with an overall pr SS test or WIDA MODEL Screener. Students will develop E demic language discourse. The goals of this course will b h listening, speaking, reading, and writing which are need urse will meet every day on the A/B schedule in a semeste	English vocabular be an introduction ded for success in	ry in both 1 to

**Students will receive an elective credit in the area of World Language for this class

English as a Second L	anguage III	Course No.	H1007LS
Elective	Prerequisite: none	Semester	1 credit
develop English vocabulary v to academic language in Engl	ovide instruction for English Learners to enter content cl vith a focus on academic language. The goals of this cour lish listening, speaking, reading, and writing which are ne rse will meet every day on the A/B schedule in a semeste	se will be an intro eded for success	oduction

**Students will receive an elective credit in the area of World Language for this class

Transitional English for H	Transitional English for ELs (9/10)		.H1004LS
Elective	Prerequisite: none	Semester	1 credit

This course will provide a transition to English 9 for English Learners. The pace, writing, and reading skills will be adjusted to meet the needs of the learners, building up their skills to move into higher courses. Emphasis will be on skills in oral communication, writing, and the genres of literature. Paraphrasing, summarizing, giving and following directions, relaying opinions and responding to books will be stressed. Writing includes note-taking, completing standardized forms, understanding instructions, grammar, mechanics and usage as they relate to paragraphs, letters, essays, and longer compositions. Students will analyze a variety of media and study a variety of texts including fiction, non-fiction, drama, and poetry. Students will learn to cite sources and incorporate them in a research product. This course will meet every day on the A/B schedule in a semester.

**Students will receive an English credit for this class

Transitional English for ELs (11/12)

Course No.H1008LS

ElectivePrerequisite: noneSemester1 creditThis course will provide a transition to English 9 for English Learners. The pace, writing, and reading skills will
be adjusted to meet the needs of the learners, building up their skills to move into higher courses. Emphasis will
be on skills in oral communication, writing, and the genres of literature. Paraphrasing, summarizing, giving and
following directions, relaying opinions and responding to books will be stressed. Writing includes note-taking,
completing standardized forms, understanding instructions, grammar, mechanics and usage as they relate to
paragraphs, letters, essays, and longer compositions. Students will analyze a variety of media and study a variety
of texts including fiction, non-fiction, drama, and poetry. Students will learn to cite sources and incorporate
them in a research product. This course will meet every day on the A/B schedule in a semester.1 credit
1 credit
1 credit
1 credit
1 credit
1 credit
1 credit
1 credit

**Students will receive an English credit for this class

English 9 for ELsCourse No.H1005L			
Elective: NCAA	Prerequisite: Transitional English for ELs	Semester	1 credit
This course will only be offered in the language acquisition support to under literature, paraphrasing, summarizing, books. Writing includes note taking, co mechanics and usage as they apply to p	g Transitional English for ELs (9/10, 11/12) and p spring for students who are learning the English la stand the content. Skills emphasized are in oral co giving and following directions, relaying opinions ompleting standardized forms, understanding inst paragraphs, letters, essays, and longer compositio of texts including fiction, non-fiction, drama, and panem in a research project.	anguage and re ommunication, s, and respondi rructions, gram ns. Students wi	equire writing, ing to mar, ill analyze

**Students will receive an English credit for this class

EL Literacy Skills		Course No.	H1001LS
Elective	Prerequisite: none	Year-Long	1 credit
is to increase reading levels, and inc	English Learners to support their acquisition of Engl crease language acquisition with a focus on the overa mprehension, decoding, and writing strategies will b ss with high school course work.	all literacy langu	iage

**Students will receive an English credit for this class

EL Integrated Science Course No.H30001			.H3000LS	
Elective	Prerequisite: none	Semester	1 credit	
This course is designed to provide some background knowledge in English of Science terms and concepts. In				

particular instruction will focus on front-loading the vocabulary and initial concepts of Biology since this is the first required course English Learners must successfully complete toward graduation requirements. This course is designed to support English Learners who are an overall level 1 on the WIDA ACCESS test. This course will meet every day on the A/B schedule in a semester.

**Students will receive an elective credit for this class.

Biology for ELs (Part 1 and Part 2)		Course No. H3021LS		. H3021LS,
	-			H3022LS
Elective	Prerequisite: none	Year-I	Long	2 credits

This course is designed to cover all required Biology course requirements and material, but paced over a full school year in order to allow English Learners the time it takes to fully immerse themselves in the vocabulary and concepts. Biology provides students with the fundamental concepts needed to give them a broad background in basic biology. Although some knowledge of detail is always necessary to a course of this type, every effort is made to stress overall concepts at the expense of detail. Students begin the course by studying how biologists solve a scientific (biological) problem. This is accomplished by studying the thinking (both correct and incorrect) that went into formulating some of our basic biological theories. Other major topics include: basic morphology and physiology of the cell, photosynthesis and cellular respiration, the biology of representative plant and animal groups, heredity and evolution and basic ecological principles. Laboratory activities serve to give practical applications of some of the basic concepts formed through the course. Placement will be based upon student request, teacher recommendations, and previous science/WIDA assessments. This course will meet every day on the A/B schedule.

Students will take the EOC Biology SOL at the end of the school year.

**Students will receive an elective credit (part 1) *and* a science (part 2) credit for this class ** Students with an IEP or 504 will receive 2 science credits for the successful completion of this class

Algebra 1 for ELs (Part 1	and Part 2)	Course N	o. H2011LS, H2012LS
Elective	Prerequisite: 8 th grade math or EL Algebra	Year-Long	2 credits
	Readiness		
This course is for students who are	This course is for students who are still learning the English language and require native language support or EL		
supports to understand the requir	ed mathematical concepts. Students will use algebra	a as a tool for r	representing
and solving a variety of practical p	roblems. Content will involve making connections b	etween Algebi	ra, arithmetic,
geometry, as well as probability an	d statistics in order to attach meaning to abstract co	oncepts. Probl	em-solving
skills will be emphasized. The use	of technology and other EL support methods will be	e implemented	l to enhance
student learning. This course will	meet every day on the A/B schedule.		

Students will take the EOC Algebra I SOL at the end of the school year.

**Students will receive an elective credit (part 1) *and* a math credit (part 2) for this class ** Students with an IEP or 504 will receive 2 math credits for the successful completion of this class

EL Algebra ReadinessCourse No.H2002LY			No.H2002LY
Elective	Prerequisite: none	Year-Long	2 Credits
This course is for English Learners that are new to English or are two or more years behind in math. Basic math			

This course is for English Learners that are new to English or are two or more years behind in math. Basic math skills will be reviewed and vocabulary will be practiced throughout the school year. This course provides specific strategies for introducing and developing language in mathematics that will help students build skills essential to comprehending higher level math classes. Concrete and collaborative learning experiences using technology are emphasized throughout the course. Placement will be based upon student request, teacher recommendations, and previous math/WIDA assessments. This course will meet every day on the A/B schedule.

**Students will receive 2 elective credits for this class

EL Strategies for Success Course No		Course No.H9031L
Elective	Prerequisite: none	Year-Long 1 credit
skills, development of stud	L students to help them succeed in high sch y strategy skills using various genres and te will also focus on skill development within , and speaking).	ext types as well as various writing forms
**Students will receive 1 e	ective credit for this class	

FINE ARTS

Art Courses

Art Foundations		Course
		No.H8070EY
Elective	Prerequisite: none	Year-Long 1 credit
emphasis on the eleme course. Composition, d	art course. Students will explore a wide variety of art ents and principles of design. Drawing is stressed in the esign, ceramics, sculpture, and printmaking technique ry art will be included. Students will be required to kee proughout the year.	e preparation for each project in the es as well as the study of the history
Drawing & Painti	ing I	Course No H8081FV

Drawing & Familing F		Course No.	H8081EY
Elective	Prerequisite: Art Foundations	Year-Long	1 credit
In this course students will develop techniques in various types of media including charcoal, pastel, colored			lored
pencil, graphite, watercolor, and acrylic paint. Through research, experimentation, and critique, they master			naster
basic drawing and painting skills and begin to address art's relationship to contemporary issues and ideas.			
Students will be required to keep a	sketchbook with drawing and writing assignme	ents throughout the	year.

Drawing & Painting II		Course No.I	H8082EY
Elective	Prerequisite: Drawing & Painting I	Year-Long	1 credit
This course helps students improv	This course helps students improve on skills & techniques learned from Drawing & Painting I. Through		
traditional subject matter, students explore a range of drawing & painting materials and techniques. Composition			mposition
and rendering skills are emphasized, various wet and dry mediums are used. Students will begin to work on			
projects based on themes with an end goal of producing a portfolio. Students will be required to keep a			
sketchbook with drawing and writ	ing assignments throughout the year.		

Sculpture I		Course No.	H8091EY	
Elective	Prerequisite: Art Foundations	Year-Long	1 credit	
	ster, figure modeling, cardboard and ordinary obje			
	n covers a broad range of technical areas and conce			
will give the student a foundation in both the traditional and contemporary concepts of sculpture; to develop a			-	
thinking and working vocabulary in the language of form and space; to acquire the skills to fabricate, carve,				
model and cast the forms that a sculptor develops in the creation of art. Students will be required to keep a				
sketchbook with drawing and writ	sketchbook with drawing and writing assignments throughout the year.			

Sculpture II		Course No.	H8092EY
Elective	Prerequisite: Sculpture I	Year-Long	1 credit
matter, students explore a range of as well as various mediums are use	e on skills & techniques learned from Sculpture I. T sculpture materials and techniques. Composition a ed. Students will begin to work on projects based or will be required to keep a sketchbook with drawing	and skills are emp n themes with an	hasized, end goal

AP Studio Art: 2-D Design Course No.H8101A		H8101AY	
Elective: Grades 11-12	Recommended: Art Foundations, Drawing and Painting I & II Required: Portfolio Review	Year-Long	1 credit
The course is designed as a per	ormance based studio experience for the dedicated A	Advanced Art stud	ent who

wishes to continue a rigorous study of 2-D Art. The 2-D portfolio contains two sections: Sustained Investigation (60%) and Selected Works (40%). The Sustained Investigation section is designed to demonstrate the student's in-depth investigation through practice, experimentation, and revision. Students will investigate and synthesize materials, processes, and ideas and improve 2-D art and design skills. This section requires 15 images. Students will document in writing: the questions that guided sustained investigation and how the sustained investigation shows evidence of practice, experimentation, and revision guided by inquiry questions. For the selected works section, the students will submit five pieces that best demonstrate excellence in art making. Any subject, content, style, media, and technique is acceptable.

AP Studio Art: 3-D Design Course No.H8102A		H8102AY
Recommended: Art Foundations, Sculpture I & II	Year-Long	1 credit
	Recommended: Art Foundations, Sculpture I & II Required: Portfolio Review	Recommended: Art Foundations,Year-LongSculpture I & II

The course is designed as a performance based studio experience for the dedicated Advanced Art student who wishes to continue a rigorous study of 3-D Art. The 3-D portfolio contains two sections: Sustained Investigation (60%) and Selected Works (40%). The Sustained Investigation section is designed to demonstrate the student's in-depth investigation through practice, experimentation, and revision. Students will investigate and synthesize materials, processes, and ideas and improve 3-D art and design skills. This section requires 15 images. Students will document in writing: the questions that guided sustained investigation and how the sustained investigation shows evidence of practice, experimentation, and revision guided by inquiry questions. For the selected works section, the students will submit 10 images of five sculptures that best demonstrate excellence in art making. Any subject, content, style, media, and technique is acceptable.

AP Studio Art: Drawing		Course No.	H8111AY
Elective: Grades 11-12	Recommended: Art Foundations, Drawing and Painting I & II Required: Portfolio Review	Year-Long	1 credit
The course is designed as a performance based studio experience for the dedicated Advanced Art student who wishes to continue a rigorous study of Drawing. The Drawing portfolio contains two sections: Sustained Investigation (60%) and Selected Works (40%). The Sustained Investigation section is designed to demonstrate the student's in-depth investigation through practice, experimentation, and revision. Students will investigate			
images. Students will docume	and synthesize materials, processes, and ideas and improve drawing and design skills. This section requires 15 images. Students will document in writing: the questions that guided sustained investigation and how the sustained investigation shows evidence of practice, experimentation, and revision guided by inquiry questions.		

For the selected works section, the students will submit five pieces that best demonstrate excellence in art making. Any subject, content, style, media, and technique is acceptable.

Music Courses

ElectivePrerequisite: DMMS Band or successful auditionYear-Long1 creditIn this course, students will learn and practice the fundamentals of music in a concert band setting. Concert band instrumentation includes, flute, clarinet, saxophone, oboe, bassoon, horn, trumpet, trombone, baritone, tuba and1	Symphonic Band		Course No.	H8020EY
·	Elective	Prerequisite: DMMS Band or successful audition	Year-Long	1 credit
concert percussion. Special attention will be given to tone production, tuning, melody, harmony, rhythm and form as we listen to, practice and create music in an ensemble setting. The symphonic band will perform a fall and spring concert in the Patsy Cline Auditorium and will perform at the district concert band festival and at community events. Students will practice and perform music at intermediate to advanced levels.	instrumentation includes, f concert percussion. Special as we listen to, practice and spring concert in the Patsy	ute, clarinet, saxophone, oboe, bassoon, horn, trumpet, trom attention will be given to tone production, tuning, melody, ha create music in an ensemble setting. The symphonic band w Cline Auditorium and will perform at the district concert ban	bone, baritone armony, rhythn ill perform a fa d festival and a	, tuba and n and form Ill and

Beginning Guitar		Course No. I	H8031EY
Elective	Prerequisite: none	Year-Long	1 credit
chords, melodic playing, ac music fundamentals, music	s with little or no experience. Students will learn open chords companiment techniques, and a variety of playing techniques c theory, read standard music notation and some tablature. Pa own either a nylon or steel string acoustic guitar.	s. Students will le	earn

Intermediate GuitarCourse No. H		H8032EY	
Elective	Prerequisite: Beginning Guitar or successful audition	Year-Long	1 credit
notations, tablature, chord such as flat picking, pick-s	ll continue to improve their understanding and ability to read l grids, and chord symbols. Students will also learn to utilize v trumming, finger picking and finger strumming. A variety of r ick and more. Students should own a full size nylon or steel st ces are required.	various right han music styles will	d styles be used

Jazz Ensemble and Improvisation		Course No. H8041EY	
Elective	Prerequisite: DMMS band, JHHS band/guitar, or successful audition	Year-Long	1 credit
ensemble instrumentation i guitar, alto, tenor and bari s to tone production, tuning, p	learn and practice the fundamentals of music in a jazz ens includes, but is not limited to, piano, electric guitar, drums, axophone, trombone and bass trombone, and trumpet. Spe melody, harmony, form and improvisation as we listen to, p zz ensemble will give performances throughout the year in	electric or acousti ecial attention will practice and create	ic bass be given music in

Basic Ukulele		Course No. I	H8033EY
Elective	Prerequisite: none	Year-Long	1 credit
format. Ukulele is a small 4 and multi-part arrangemen theory, guitar tablature and	playing the ukulele are presented in an ensemble-based, bl stringed guitar of Hawaiian origin. This includes group mu ts of original and traditional songs. Students will learn mus standard notation. Participation in concerts is mandatory. Ir own instrument is highly recommended.	sic learning, solo r sic fundamentals, 1	repertoire, music

Vocal Music Courses

Treble EnsembleCourse No. H8040EY				
Elective: Grades 9-12	Prerequisite: none	Year-Long	1 credit	
· ·	ole (Soprano/Alto) voices and is for anyone who war gned to offer the opportunity to develop skills and p		0 0	

development and musicianship in the field of choral literature are stressed. Performance in all concerts presented by this ensemble is required.

Advanced Treble Ensemble			D. H8042VY
Elective: Grades 9-12	Prerequisite: successful audition and one year experience in the choral program at Handley, or advanced skills as determined by the director	Year-Long	1 credit

This ensemble is a select ensemble of advanced treble singers. The ensemble is a performance-oriented group designed to offer the talented singer the opportunity to perform challenging music. Music will be performed from a variety of genres with special emphasis on the correct performance technique for each period. The students will perform throughout the community and participate in district and state choruses, assessments, and competitions. Vocal development and musicianship in the field of choral literature are stressed. Performance in all concerts presented by this ensemble is required.

Concert Choir Course No. H8050E				
Elective: Grades 9-12	Prerequisite: None	Year-Long	1 credit	
offer the talented singer the opport community and participate in distr	of advanced singers. The ensemble is a performance- tunity to perform challenging music. The students wil rict and state choruses, assessments, and competition literature are stressed. Performance in all concerts pr	ll perform thro s. Vocal develo	ughout the opment and	

Chamber Choir		Course No.	H8060EY
Elective: Grades 9-12	Prerequisite: successful audition, and one year experience in Treble Ensemble or Concert Choir, or advanced skills as determined by the director	Year-Long	1 credit
This ensemble is a select small ensemble of advanced singers. The ensemble is a performance-oriented group designed to offer the talented singer the opportunity to perform challenging music. Music will be performed from a variety of genres with special emphasis on the correct performance technique for each period. The students will perform throughout the community and participate in district and state choruses, assessments, and competitions. Vocal development and musicianship in the field of choral literature are stressed. Performance in all concerts			

presented by this ensemble is required.

Gaveliers Course No. H8051EY				
Elective: Grades 9-12	Prerequisite: none	Year-Long	1 credit	
ensemble is designed to offer the o	or/Bass voices for anyone who wants to continue sin pportunity to develop skills and perform 2-4 part m literature are stressed. Performance in all concerts p	usic. Vocal deve	elopment and	

The Handley Singers	ey Singers Course No. H8065E		o. H8065EY
Elective: Grades 9-12	Prerequisite: none	Year-Long	1 credit

This ensemble is composed of students who are interested in both singing and dancing. The focus will be on preparing a Show Choir program for the annual Coronation of Queen Shenandoah that occurs during Apple Blossom. A high level of commitment and professionalism is expected from this group. Rehearsal may occur after school hours in the spring to prepare. Performance in all concerts presented by this ensemble is required.



Theatre Arts Courses

I neatre I		Course No.	H1070EY
Elective: Grades 9-12	Prerequisite: none	Year-Long	1 credit
In this course students will a	walara thaatra as an ansamble art by daval	oning communication strategi	05

In this course students will explore theatre as an ensemble art by developing communication strategies, collaborating to implement personal artistic choices and respecting the ideas and viewpoints of others. Students will create and strengthen trust and expand listening skills through participation in theatre games and improvisations (e.g., solo and group dramatizations, portrayals of characters in conflict, experiments in rhythm and imagery, pantomimes). Students will demonstrate the skills necessary to perform theatrical works by creating and maintaining an imagined reality using the body and voice as expressive tools and employing diction and projection. The student will apply the creative process in storytelling, playwriting, and acting by creating and writing a monologue and/or scene, analyzing the physical, emotional, and social dimensions of characters, employing voice, body, and imagination in role playing, presenting a memorized monologue and/or scene from a published work. The student will demonstrate theatrical direction, including blocking and staging a scene. The student will become familiar with the principles of technical theatre and theatre management.

Theatre II		Course No. I	H1071EY
Elective: Grades 9-12	Recommendation: Theatre I	Year-Long	1 credit
productions through collaboration create and strengthen trust throug and listening skills to express char- scenes and participating in script a directorial choices, including pacin	skills learned in Theatre I and use these skills to cre ,respecting the ideas and points of view of others. S h participation in theatre games and improvisation acter relationships. Students will apply principles of analysis, casting, staging, and rehearsing. Students w g, mood, concept, and style employing ethical stand tion. Students will demonstrate mastery of theatre	Students will cont is that incorporate of directing by sele will communicate dards in script sel	inue to e dialogue ecting ection,

Theatre III		Course No.	H1072EY
Elective: Grades 9-12	Recommendation: Theatre II	Year-Long	1 credit
employ self evaluation and critique greater responsibility for class ens	n skills learned in Theatre I and II. Theatre III stude e. Playwriting/Analysis and Directing become a foc emble work. Students in Theatre III will make prod ome officers in Drama Club and participate in the V	us for this level a luction decisions	s well as for live

Theatre IV		Course No. I	H1073EY
Elective: Grades 9-12	Recommendation: Theatre III	Year-Long	1 credit
	on Theatre I, Theatre II, and Theatre III by adding c rtfolio work for college auditions. Theatre IV stude show selection and venue choices.	U	

Technical Theatre		Course No.	H1076EY	
Elective: Grades 9-12	Prerequisite: none	Year-Long	1 credit	
In this course, students will be exp	oosed to aspects of technical theatre including; light	ting, sound, desig	n,	
construction, painting, prop construction, costume creation and promotional materials. The goal of this class will				
be to provide support for real life p	projects in the building and to give students a look	at careers in theat	tre tech.	

KINESIOLOGY & HEALTH

Kinesiology 9 - Health & PECourse No.H5010RYRequiredPrerequisite: noneYear-Long1 creditWe will cover a variety of individual, recreational and team sports in the gym setting. Participation in a variety of sports/movements activities will assist the student in attaining their own individual fitness goals. As our main objective we would like all students to be able to identify the five components of physical Fitness and find life-long fitness activities that promote their own health and well-being.Health Topics of Study: Nutrition, Fitness, CPR, Drugs & Alcohol, Mental Health and Family Life Education. For

graduation verification, students are required to pass training in emergency first aid, CPR and the use of AEDs.

Kinesiology 10 - Drivers Education, Health & PE

Required	Prerequisite: none	Year-Long	1 credit

We will cover a variety of individual, recreational, and team sports in the gym setting. Participation in a variety of sports and activities will assist the student in attaining their own individual fitness goals. As our main objective, we would like all students to be able to identify the five components of physical fitness and find life-long fitness activities that promote their own health and well-being.

Health Topics of Study: Mental Health and Family Life Education.

Driver's Education:

Classroom driver's education consists of a minimum of 36 hours of structured learning experience aimed at developing safe and responsible drivers. Successful completion of this course will earn the student their DEC-1 certificate, which is necessary in the process of obtaining a Driver's License before the age of 18. Students need to pass this course with a 70% and attend the Parent/Teen 90 Minute Meeting to pass the Driver's Education portion of Health 10. Completion of a driver education course through a private instruction is certainly allowed, but that participation does not exempt the student from any of the school course objectives/credits.

Advanced Kinesiology	7-Team Sports I	Course No. I	H5031EY
Elective: Grades 10-12	Prerequisite: successful completion of Kinesiology 9 and prior approval	Year-Long	1 credit
this class will be a competitive the sports, strategies and skill	at have the basic understanding of team sports and concep e environment, along with learning sportsmanship. Studen l application through various games. Students will be expec letion of this course is a prerequisite for Advanced Kinesio	ts will focus on cted to challenge	rules of e

Advanced Kinesiology-Team Sports II		Course No. H5032EY	
Elective: Grades 11-12*	Prerequisite: successful completion of Advanced Kinesiology-Team Sports I	Year-Long	1 credit
a competitive environmen sports, strategies and skill themselves physically.	hat have completed Advanced Kinesiology I. The environm at, along with learning sportsmanship. Students will fo application through various games. Students will be e	cus on rules of expected to cha	the

*This course may be repeated for additional credits with no more than one per year.

Course No.H5020RY

Advanced Kinesiology-W	/eight Training I	Course No.	H5041EY
Elective: Grades 10-12	Prerequisite: successful completion of Kinesiology 9 and prior approval	Year-Long	1 credit
fitness and resistance training probut not be limited to, strength end Students will take these training of their overall fitness level. Proper	vant to continue to develop in the weight room. Stude ogram with the goal of personal improvements in sev durance, strength, range of motion, speed, BMI, core concepts and apply them into an effective designed w technique and safety will be taught and maintained t ush themselves throughout this course and be able t	veral areas. This w integrity and bala vorkout program t hroughout this co	rill include, nce. to improve urse.

Advanced Kinesiology-We	eight Training II	Course No. H	5042EY
Elective: Grades 11-12*	Prerequisite: successful completion of	Year-Long	1 credit
	Advanced Kinesiology-Weight Training I		
This course is for students who want to develop in the weight room. Students will follow a structured fitness and			
resistance training program with t	he goal of personal improvements in several areas. Th	nis will include, b	out not be
limited to, strength endurance, strength, range of motion, speed, BMI, core integrity and balance. Students will			
take these training concepts and a	oply them into an effective designed workout program	n to improve the	ir overall

fitness level. Proper technique and safety will be taught and maintained throughout this course. Students should

be prepared to push themselves throughout this course and be able to see the benefits of the lifting program. *This course may be repeated for additional credits with no more than one per year.

Sport, Exercise, and Healt	h Science	Course No. H	5043EY
Elective: Grades 11-12	Prerequisite: successful completion of Kinesiology 9 and 10	Year-Long	1 credit
Students will work collaboratively to l	e, students will investigate how physical fitness, health, an earn various genres of athletics, recreation, coaching, sp health in sports. A capstone project will be a requiren	oorts broadcastii	ng, safety

MARKETING

Marketing

Course No.H6213EY

Elective: Grades 10-12Prerequisite: noneYear-Long1 creditIn this course, students examine activities in marketing and business important for success in marketing

employment and postsecondary education. Students will learn how products are developed, branded, and sold to businesses and consumers. Students will analyze industry trends and gain hands-on experience in the marketing of goods, services, and ideas. Topics will include professionalism in the workplace, product planning and positioning, promotion, pricing, selling, economic issues, and the impact of technology on the marketplace. This course reinforces mathematics, science, English, and history/social science Standards of Learning (SOL). Computer/technology applications and DECA activities enhance the course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events. **The cooperative education method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.**

Advanced Marketing

Course No.H6232VY

Elective: Grades 11-12Prerequisite: Marketing, or Sports Entertainment Marketing, or Entrepreneurship	Year-Long	1 credit
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In this course students build on knowledge gained in a prior Marketing course. Students participate in supervisory and management activities focusing on the marketing mix, purchasing, financing, human resources, global marketing, pricing, and emerging technologies. Students will prepare for advancement in marketing careers and postsecondary education. Distributive Education Clubs of America (DECA), the co-curricular student organization, offers opportunities in leadership, community, and competitive events. **The cooperative education method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved marketing position with continuing supervision throughout the school year**.

Entrepreneurship		Course No.	H6260EY	
Elective: Grades 10-12	Recommended: Principles of Business and	Year-Long	1 credit	
	Marketing			
This course introduces students to the exciting world of creating, owning, and launching their own business.				
Students will learn concepts and techniques for planning an innovative business and living the entrepreneurial				
lifestyle. The cooperative education method is available for this course. Students combine classroom				
instruction and supervised on-the-job training in an approved position with continuing supervision				
throughout the school year				

Sports Entertainment Marketing		Course No. I	H6250EY
Elective: Grades 10-12	Recommended: Principles of Business and Marketing or Advanced Marketing	Year-Long	1 credit
as they relate to the sports, entert of branding; sponsorships and en recreation events. The course also skills (mathematics, science, Engl The cooperative education met	p a thorough understanding of fundamental marketin cainment, and recreation industries. Students will inve dorsements, as well as promotion plans needed for sp o supports career development skills and explores care ish, and history/social science) related to the content hod is available for this course. Students combine ning in an approved position with continuing super	estigate the comports, entertainn eer options. Aca are a part of this classroom inst	ponents nent and idemic s course. t ruction

Principles of Business and Marketing		Course No	. H6020EY
Elective: Grades 9-12	Prerequisite: none	Year-Long	1 credit
economy. Basic financial concept investigated to provide a strong earners, and citizens. The real-w	the roles of business and marketing in the free enterpr ts of banking, insurance, credit, inheritance, taxation, a background as students prepare to make sound decisi rorld impact of technology, effective communication, an This course also supports career development skills an	and investment ons and consur nd interperson	s are mers, wage al skills is

MATHEMATICS

Math Instructional Sequence Options



Algebra I Course No.H2010RY			2010RY
Required: NCAA	Prerequisite: none	Year-Long	1 credit
representing and solving a varied arithmetic reasoning, algebraic e meaning to abstract concepts. Pr	cademic mathematics course at Handley. Students ty of practical problems. Content will involve makin expressions, algebraic equations, and coordinate ge roblem solving skills will be emphasized. The use of t learning. <i>This course is also offered at the middle s</i>	ng connections be cometry in order t f technology will	etween to attach

Algebra I: Part 1 a	nd Part 2	Course No. H2011RS,	
8		H2012RS	
Required: NCAA	Prereguisite: none	Year-Long	2 credits

This course is a full-year, two credit, daily Algebra course. It supports and promotes student success in mathematics coursework necessary to fulfill graduation requirements. While strengthening prerequisite skills, algebraic concepts are solidified through modeling and the use of manipulatives, graphing calculators, and computer software where appropriate. A concentration on improving problem solving and communication in mathematics builds student confidence. *This class will meet every day on the A/B schedule.*

(*)This course is offered for 1 elective credit and 1 mathematics credit. Students with an IEP or 504 with credit accommodations may enroll in Algebra I Part 1 and Algebra I Part 2 and receive 2 mathematics credits.

Algebra I: Part 1Course No. H2		2011RY	
Required: NCAA	Prerequisite: none	Year-Long	1 credit
This course supports and promotes student success in mathematics coursework necessary to fulfill graduation requirements. While strengthening prerequisite skills in the areas of operations with whole numbers, fractions,			
decimals, percentages, integers, and rational numbers, algebraic concepts are solidified through modeling and			
the use of manipulatives, graphi	ng calculators, and computer software where appro	priate. A concen	tration on

Students may earn one elective credit for the Standard Diploma by successfully completing Algebra I, Part 1. Students with an IEP or 504 with credit accommodations may enroll in Algebra I Part 1 and Algebra I Part 2 and receive 2 mathematics credits.

improving problem solving and communication in mathematics builds student confidence.

Algebra I: Part 2Course No. H20		2012RY	
Required: NCAA	Prerequisite: Algebra I: Part 1	Year-Long	1 credit
requirements. The study of linea functions inherent in Algebra are	tes student success in mathematics coursework ne r and quadratic equations, linear inequalities, syste e emphasized in the course. Graphing calculators an e problem solving, data analysis, and transformatic	ems of equations, nd other emergin	, and 1g

Students may earn one math credit for the Standard Diploma by successfully completing Algebra I, Part 2. Students with an IEP or 504 with credit accommodations may enroll in Algebra I Part 1 and Algebra I Part 2 and receive 2 mathematics credits.

Geometry Course No. H2020RY)20RY	
Required: NCAA	Prerequisite: Algebra I	Year-Long	1 credit
conclusions. Methods of justifica arguments. This course includes transformational geometry, and	of geometric figures, trigonometric relationships, a tion will include deductive reasoning, proofs, alge emphasis on two- and three-dimensional reasoning the use of geometric models to solve problems. Ap uding algebraic skills, will be used. Technology wi and at the middle school.	braic methods, and ng skills, coordinat oplications and son	d verbal te and ne general

Honors Geometry Course No.H202		2020HY	
Required: NCAA	Prerequisite: Algebra I	Year-Long	1 credit
This course focuses on helping students independently discover and construct Theorems while building a deeper and more rigorous understanding of the material. Topics will include deriving properties of geometric figures, applying trigonometric relationships, and utilizing reasoning to justify conclusions. Methods of justification will			
	reasoning, proofs, algebraic methods, and verbal ar d three-dimensional reasoning skills, coordinate ar	0	

geometry, and the use of geometric models to solve problems. Applications and many problem-solving techniques will be used. The practical use of technology will enhance student learning.

Algebra, Functions and Data Analysis		Course No.H	12010EY
Elective: NCAA	Prerequisite: Algebra I or Geometry	Year-Long	1 credit
Through the investigation of mather students will strengthen conceptual algebra and statistics. Students will will be generated by practical applic	who have successfully completed the standards for natical models and interpretation/analysis of data fr understandings in mathematics and further develop study functions, systems of inequalities, probability, ations, arising from science, business, and finance. S of linear, quadratic, exponential or logarithmic equat	rom real life situ o connections be and analysis of tudents will sol	ations, etween data. Data

Algebra II		Course No. H	12030RY	
Elective: NCAA	Prerequisite: Geometry	Year-Long	1 credit	
This course will examine advanced algebraic concepts through the study of functions, "families of functions", polynomials, rational and radical equations, complex numbers, probability and statistics, and sequences and				
series. Quadratic, logarithmic, and e	exponential functions are also studied. Practical use of	of technology wi	ll enhance	

student learning.

limits and their applications.

Honors Algebra II		Course No.	H2030HY	
Elective: NCAA	Prerequisite: Geometry	Year-Long	1 credit	
This course teaches mathematical r	nodels and interpretation/analysis of data from real l	life situations, s	students	
will strengthen conceptual understandings in mathematics and further develop connections between algebra and				
statistics. Encompassing an accelerated pace, students will study functions, systems of inequalities, probability,				
and analysis of data. Data will be generated by practical applications, arising from science, business, and finance.				
Students will solve problems that require formulation of linear, quadratic, exponential or logarithmic equations.				
In addition, an introductory to trigo	onometry will be presented.			

Pre-Calculus Course No. H2044DY						
Elective: DE; NCAA	Prerequisite: Algebra II	Year-Long	1 credit			
This course teaches students trigonometry and exponential and logarithmic functions. Other topics will include						
algebraic and transcendental functions, parametric and polar equations, sequences and series, vectors and						
further application of probability, s	tatistics and matrix algebra. Students will be introd	uced to mathem	atical			

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of each semester. Students who wish to take this course as a dual enrollment course can earn six college credits through Laurel Ridge Community College (Laurel Ridge Community College MTH 161 and 162). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

Probability and Statistic	S Course	No. H2074EY

Elective: NCAA

Prerequisite: Algebra II

Year-Long 1 credit

This course presents basic concepts and techniques for collecting and analyzing data, drawing conclusions, and making predictions. Students will use probability and statistics in real-world application of mathematics. Emphasis will be placed on appropriate methods for collecting data and analyzing data with some measure of certainty about results.

Calculus A &	В	Course No.H2055DY

Elective: DE; NCAA		Prere	quisi	te: P	Pre-Ca	lculus			Yea	r-Long	10	redit
(T))	. 1	 1.1		•.	11.00		. 1	1.	1 .	C • •		C

This course covers mathematical limits, continuity, differentiation techniques, and techniques of integration for algebraic and transcendental functions. Differentiation and integration will be applied in a variety of ways for several fields of study. Applications of the definite integral will be explored.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of each semester. Students who wish to take this course as a dual enrollment course can earn six college credits through Laurel Ridge Community College (Laurel Ridge Community College MTH 261 & 262). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

AP Statistics		Course No.H	H2070BY
Elective: DE; NCAA	Prerequisite: Pre-Calculus or Probability and Statistics	Year-Long	1 credit
drawing conclusions from data. T experimental design, probability	uce students to the major concepts and tools for coll 'he main topics covered in this course are explorator and inferential statistics. Emphasis is placed on tech y will be used for calculation so that students may for ons.	y data analysis, iniques for the	

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of each school year. Students who wish to take this course as a dual enrollment course can earn three college credits through Laurel Ridge Community College (Laurel Ridge Community College MTH 245). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

AP Calculus AB Course No H2051BY						
Elective: DE; NCAA	Prerequisite: Pre-Calculus	Year-Long	1 credit			
will then be studied including and of the position, velocity, and accel integration and the definite integr The second semester of the cours applications of the definite integr	depth study of limits of all function types. Derivative alyzing graphs using the first and second derivatives leration functions. The first semester will end with a ral. se picks up with a review of integration techniques a ral including area of volumes of solids. A study of fir ng with real-life applications of exponential and loga	s and an extensive an introduction to and continues wit st order separable	e analysis h e			
This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year.						

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn four college credits through Laurel Ridge Community College (Laurel Ridge Community College MTH 263). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

AP Calculus BC	Course No.	H2053BY	
Elective: DE; NCAA	Prerequisite: AP Calculus-AB	Year-Long	1 credit

This course provides the student a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, and verbally. Considerable mathematical ability and individual initiative of the student is expected. The course begins with a thorough review of AB Calculus topics. It will continue with the study of parametric, vector valued and polar functions, their derivatives and applications. This will be followed by an extensive study of Taylor Polynomials and power series including bounding the approximation of a transcendental function using Lagrange error.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn four college credits through Laurel Ridge Community College (Laurel Ridge Community College MTH 264). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

Computer Math Course No. H2090E				
Elective	Prerequisite: Algebra I	Year-Long	1 credit	
skills to solve problems that have the skills necessary for earn a math credit towards r Python as the programming emphasizes readability and a problems using mathematica	rovide students with experiences in using computer prog can be set up as mathematical models. Students enrolled readiness to enroll in Algebra 1. Students who successfu neeting the Virginia mathematics graduation requirement language of this course. Python is a general-purpose pro algorithmic clarity. Student's programs will use basic pro al problem solving skills. They will be designing, implem lass has a focus on using data to solve problems and answ	l in Computer Math s illy complete this count. Students will be u gramming language ogramming concepts enting, and testing th	should Irse will Ising that to solve	

Computer Mathematics may be used in conjunction with Algebra I and Geometry to satisfy mathematics graduation requirements if the student also completes a career and technical concentration.

Data Science	Course No. I	H2031EY	
Elective	Prerequisite: Algebra I and Geometry	Year-Long	1 credit
of relational database conce will engage in a data science	rrce technology tools, students will identify and explore p pts and data-intensive computing to find solutions and n problem-solving structure to interact with large data se data, visualize data, model using data, and communicate	nake generalizations. ts as a means to form	Students nulate

SCIENCE

Science Instructional Sequence Options



Environmental Science

Elective: Grades 9-10, NCAA

Course No.H3060EY Year-Long 1 credit

Prerequisite: have not taken/passed Biology This course is an introductory course designed to explore the physical world. This course will show the connection between science, technology, and society. Students will apply prior scientific knowledge to current environmental issues and will become a better-informed citizen and decision-maker. In this class there will be an emphasis on hands-on activities and laboratory exercises that promote problem solving, refine laboratory procedure, and reinforce reading, writing, and math skills.

Earth Science	Course No.I	H3011EY	
Elective: NCAA	Prerequisite: none	Year-Long	1 credit
curriculum investigates the discipling a deeper understanding of many na	s to investigate Earth's development and its relations ines of Geology, Meteorology, Oceanography, and Astr atural processes occurring around them. This curricu is, research and investigation, as well as individual ac	ronomy. Students llum is reinforced	s will gain 1 by

Biology Course No.H3021EY						
Required: NCAA	Prerequisite: none	Year-Long 1 credit				
This course provides students with the fundamental concepts needed to give them a broad background in basic						
biology. An overarching the	eme is the nature of science and how we need	to approach questions scientifically.				

Major topics include: basic morphology and physiology of the cell, photosynthesis and cellular respiration, heredity, evolution, classification of organisms, and basic ecological principles. Laboratory activities serve to give practical applications of some of the basic concepts formed throughout the course.

Honors Biology		Course No.H	13021HY			
Required: NCAA	Prerequisite: none	Year-Long	1 credit			
-	This course provides students with the fundamental concepts needed to give them a broad background in basic biology. The differences include a more in-depth look at concepts through class discussions, laboratory					

experiences and projects; more cross-curricular connections; higher-level critical thinking activities; and more individual projects to allow for individualized learning. This course includes an inquiry-based independent research project.

Biology II: Ecology		Course No.H	H3022VY
Elective: NCAA	Recommended: Biology	Year-Long	1 credit
individual, population, species, cor	ipon knowledge and skills from Biology to explore th nmunity, and ecosystem. Topics include: Historical F munity, & Global Ecology. Students will participate in experiences.	oundations; Adap	otations to

AP Biology		Course N	o.H3021BY
Elective: DE; NCAA	Prerequisite: Biology and Chemistry	Year-Long	2 credits
students with regards to time, ener which recur, connect and unify our specific concepts which "enhance u Board, 2005). Major themes stress science as a process, evolution, ener	ice with the requirements of the College Board and p rgy and academic preparation. Emphasis is placed or understanding of topics" central to the study of livin understanding of how and why particular processes ed throughout AP Biology, in both classroom and lab ergy transfer, continuity and change, relationship of s ure and science, technology and society.	n "overarching ng organisms as or patterns occ oratory setting	concepts s well as cur" (College gs, include:

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of each semester. Students who wish to take this course as a dual enrollment course can earn eight college credits through Laurel Ridge Community College (Laurel Ridge Community College BIO 101 & 102). Students must satisfy enrollment criteria, complete labs, and pay a reduced college tuition rate to be eligible for college credits. To meet lab requirements associated with this course, students will attend on A & B days for the entire school year.

Chemistry		Course No.H3030EY	
Elective: NCAA	Prerequisite: Algebra 1	Year-Long	1 credit
chemistry, nuclear chemistry, and o designed to reinforce and expand u	of matter, chemical equations, atomic structure, che organic chemistry. Students complete a variety of la upon classroom discussions. Specific math concepts sed upon tests, laboratory reports, homework assign	boratory experim are briefly review	ents ved prior

AP Chemistry Course No.H30311			o.H3031BY
Elective: DE; NCAA	Prerequisite: Chemistry and enrolled in/completed Pre-calculus	Year-Long	2 credits

The course is designed in accordance with the requirements of the College Board and may be taken only after the successful completion of Chemistry with an "A" or "B" grade. Emphasis is placed on quantitative aspects of chemical systems and the mathematical formulation of principles. The topics covered are stoichiometry, thermochemistry, electron arrangement, bonding, molecular geometry, aqueous reactions, kinetics, equilibrium, acids and bases, oxidation and reduction, electrochemistry, nuclear chemistry, and organic chemistry.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of each semester. Students who wish to take this course as a dual enrollment course can earn eight college credits through Laurel Ridge Community College (Laurel Ridge Community College CHM 111 & 112). Students must satisfy enrollment criteria, complete labs, and pay a reduced college tuition rate to be eligible for college credits. To meet lab requirements associated with this course, students will attend on A & B days for the entire school year.

Physics	Course No.H3040EY		
Elective: NCAA	Prerequisite: Algebra I, Geometry	Year-Long	1 credit
	Recommended Co-requisite: Algebra II		

This course is a study of complex experimentation, data analysis, using reasoning and logic to evaluate evidence. The use of mathematics is important, but conceptual understanding of the physical systems is the primary concern. Key areas include force and motion, energy transformations, wave phenomena and electromagnetic spectrum, light, electricity, fields, and non-Newtonian physics. This course stresses practical application of physics and problem solving.

AP Physics 1 - Algebra-Based		Course No.	H3043AY
Elective: DE; NCAA	Prerequisite: Algebra I, Geometry	Year-Long	1 credit
	Co-requisite: Algebra II		
This course is an algebra-based introductory college-level physics course. Students cultivate their understanding			

This course is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn four college credits through Laurel Ridge Community College (Laurel Ridge Community College PHY 201). Students must satisfy enrollment criteria, complete labs, and pay a reduced college tuition rate to be eligible for college credits.

AP Physics 2 - Algebra-Based		Course No.	H3044AY	
Elective: DE; NCAA	Prerequisite: AP Physics 1	Year-Long 1 cred		
	Recommended Co-requisite: Pre-Calculus			
This course is an algebra-ba	This course is an algebra-based introductory college-level physics course. Students cultivate their understanding			

This course is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: fluids; thermodynamics; electrical force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn four college credits through Laurel Ridge Community College (Laurel Ridge Community College PHY 202). Students must satisfy enrollment criteria, complete labs, and pay a reduced college tuition rate to be eligible for college credits.

AP Physics C (Mechanics)	Course No.H3041AY		H3041AY
Elective: Grades 11-12; DE; NCAA	Co-requisite: Calculus or AP Calculus	Year-Long	1 credit

This course serves as the foundation for students planning on majoring in science or mathematics in college. The course is structured to mirror the topics a 1st semester calculus based physics class would cover in college. These topics include: rectilinear kinematics, motion of rigid bodies in multiple dimensions, fundamental concepts of vectors, Newtonian mechanics, simple harmonic oscillators, dynamics of systems of particles, conservation of mechanical energy, and gravitational forces.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn four college credits through Laurel Ridge Community College (Laurel Ridge Community College PHY 241). Students must satisfy enrollment criteria, complete labs, and pay a reduced college tuition rate to be eligible for college credits.

AP Environmental Science		Course No.	H3060AY
Elective: NCAA	Prerequisite: Biology and Chemistry	Year-Long	1 credit
between human societies and prob will gain a broad perspective on th solutions that may create a more so social choices as they relate to our	ts who want to gain a greater understanding of the olems that face our environment today. Through glo e causes and consequences of environmental degra ustainable world. The course will include discussio environment, including an historical perspective, p policies. Students will also examine our interaction	bal case studies, st adation and possibl ns on ethical, econ oppulation growth	tudents le omic and models
U U U U U U U U U U U U U U U U U U U	hose of the atmosphere, water, soil and Earth's ener		

Astronomy		Course No.	H3070EY
Elective	Prerequisite: Earth Science	Year-Long	1 credit
variety of astronomical observation stars, universe, and cosmology. Exp telescopes. The solar system section	e introduction to the science of astronomy. Course ns and models, the main topics of the course are ex ploring the sky section includes origins of modern on includes the origin of the solar system, planets, r	xploration, the solar astronomy, gravity, noons, asteroids, m	r system, light, and neteorites,
and comets. Star section includes stellar evolution, death of stars, interstellar medium, neutron stars, and black holes. The universe section includes galaxies, supermassive black holes, quasars, and dark matter. The cosmology			
section includes the expanse of the universe, Big Bang Theory, dark energy, and the future of the universe.			
Students will be expected to resear	ch, write detailed scientific papers, and present or	1 astronomical topi	CS.

Anatomy & Physiology Course No.C30		.C3070DY	
Grades 10-12; DE; NCAA	Prerequisite: Biology/Honors Biology Recommended: Chemistry	Year-Long	1 credits

This course is an introductory course designed for students who have an interest in entering a health-related field. Students will review basic chemical concepts and then progress to detailed investigations of cellular physiology and the anatomy and physiology of human organs and organ systems. Required laboratory applications include the use of real and virtual dissection and the extensive use of anatomical models.

This course is only offered at Emil & Grace Shihadeh Innovation Center (EGSIC) and must be paired with a CTE course at EGSIC.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn four college credits through Laurel Ridge Community College (Laurel Ridge Community College BIO 145). Students must satisfy enrollment criteria, complete labs, and pay a reduced college tuition rate to be eligible for college credits.

SOCIAL STUDIES

Social Studies Instructional Sequence Options



World History & Geography to 1500		Course No.	H4011EY
Required: NCAA	Prerequisite: none	Year-Long	1 credit
prehistory through approximately techniques employed by historians of Man and Civilization, the Classic	te students to the origin of Western and non-Westerr 1550 CE (Common Era). Students will be introduced at archaeologists, and other social scientists. Topics co al World, the Post-Classical World, and Regional Inte Stressed throughout the course are such critical thin	l to concepts and overed include th ractions in the la	ne Origins Ite

Honors World Histo	ry & Geography to 1500	Course No.H	H4011HY	
Required: NCAA	Prerequisite: none	Year-Long	1 credit	
This course is designed to i	ntroduce students to the origins of Western and Non-West	ern Civilizations th	nrough	
1550 CE. Students will expl	ore more deeply the concepts and techniques employed by	v historians with s	pecial	
emphasis on historical inqu	iry. Though an SOL Course, this course will also align close	ely with the AP Wo	rld	
History: Modern curriculur	n and is meant to offer students an opportunity to explore	many of the theme	es and	
topics that will be discusse	d in more depth in AP World History: Modern. Topics cover	ed include the Ori	gins of	
Man and Civilization, the Classical World, the Post-Classical World, and Regional Interactions in the late Medieval				
and Early Modern World. Stressed throughout the course are such critical thinking skills as analysis and				
interpretation. This course is a writing, reading, and research intensive course. Although not a prerequisite, this				
course is highly recommended for students wishing to take AP World History: Modern in the future, as well as for				
students who wish to more	deeply explore the ancient, classical, and medieval worlds			

World History & Geo	tory & Geography 1500 - Present Course No.H4		H4022EY
Elective: NCAA	Prerequisite: World History & Geography to 1500	Year-Long	1 credit
impact of non-Western civil upon current crises, interna	hallenge students about the continuing examination of We lizations upon the West from 1550 to the present. Contemp ational relations, and the increasing interdependence of na storians, archaeologists, and other social scientists are expl	oorary emphasis is tions. Concepts ar	s placed

AP World History: Modern Course No.H4010BY			
Elective: DE; NCAA	Prerequisite: World History & Geography to 1500	Year-Long	1 credit

This course covers the World History curriculum as it is described by the College Board. It focuses on the years 1500 CE (Common Era) to the present. Then the class will move on to a thematic survey of modern world history from the Renaissance to the contemporary era. In AP World History: Modern, the students study the sweeping themes that tell the history of the world. It focuses on trends, cultures, and movements in addition to facts, events and chronologies.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn three college credits through Laurel Ridge Community College (Laurel Ridge Community College HIS 112). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

Virginia & U.S.	History	Course No.H	H4030RY	
Required: NCAA	Prerequisite: World History & Geography to 1500 or World	Year-Long	1 credit	
	History & Geography 1500-Present			
This course is desigr	ed to help students develop a strong, solid foundation in their kno	wledge and unde	rstanding	
of American History.	It provides opportunities for independent research, creativity, deb	ate, oral reportin	g, field	
trips, drama, and pra	actice in written argumentation and composition. Topics to be cove	red include: early	/ Spanish,	
French, and English	French, and English colonization in America, Puritanism and its effects on American life, slavery and the			
plantation system, th	plantation system, the growth of democratic institutions, events leading to the American Revolution, the			
Revolutionary War, t	he formation of our federal government, Jeffersonian democracy, V	War of 1812, Mon	roe	
5	democracy, reform movements, expansion and the rise of sectiona			
	tward migration, industrialism, and imperialism. The course will a		cts of life	
in twentieth century	in twentieth century America. The basic theme will be the evolution of the United States into a dominant world			
power.				

AP U.S. History		Course No.	H4030BY
Required: DE; NCAA	Prerequisite: World History & Geography to 1500 or World History & Geography 1500-Present	Year-Long	1 credit

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and material in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. The program also introduces those skills necessary to deal effectively with the AP History Exam. Among the key topics to be discussed and examined: colonial development, establishing the nation, reforms, enlarging the national state, sectionalism, imperialism, prosperity and depression, global war, the Cold War, and contemporary American history.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of each semester. Students who wish to take this course as a dual enrollment course can earn six college credits through Laurel Ridge Community College (Laurel Ridge Community College HIS 121 & 122). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

Virginia & U.S. Governme	nt	Course No.H	H4040RY
Required: NCAA	Prerequisite: Virginia & U.S. History	Year-Long	1 credit
the American political system, the	grade students. It will consist of the study of the follow Constitution, structure and powers of the three branch l rights, political parties, elections and voting behavior and state and local government.	nes of the natior	nal

AP Government & Politics	5	Course No.H	H4050BY
Required: DE; NCAA	Prerequisite: Virginia & U.S. History	Year-Long	1 credit
study of the general concepts of go political system, its development, a institutions, and the making and in will be discussed and examined are	ident a critical perspective on U.S. government and po vernment and politics, as well as the study of the natu and how it works. In addition, the course examines the applementation of public policies at the national level. e: constitutional underpinnings of the U.S. governments s, institutions and policy processes of national govern	re of the Americ e principal proce Among the key t t, democratic th	can esses, copics that eory,

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn three college credits through Laurel Ridge Community College (Laurel Ridge Community College HIS 268). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

Introduction to Psychology		Course No.l	H4060EY
Elective: Grades 11-12; NCAA	Prerequisite: none	Year-Long	1 credit
theories of human thought, emotio analyze the impact culture has on t	s to the fundamental aspects of the science of psycho n, and personality. Students will compare and evalua he development of psychological theories. Students ussion, demonstration, projects, and other methods.	te major theorie	s and

History of Latin America		Course No.I	H4070EY	
Elective 10-12 NCAA	Recommended: World History & Geography to 1500 and World History & Geography 1500-Present	Year-Long	1 credit	
This course explores the social, cultural, political, environmental, and economic developments of Latin America.				
The course will discus	s the settlement of the region by Amerindians, the rise of Ameri	ndian Empires, arı	rival and	
impact of European co	lonizers, the Latin American Independence movement, post-col	onial developmen	ts,	
Neocolonialism, Latin American Nationalism, the Age of Revolution, and Post-Revolutionary Reactions. Borrowing				
from the AP Themes of History, students will explore Human-Environmental Interaction; Development and				
Interaction of Cultures; State Building, Expansion and Conflict; Creation, Interaction, and Expansion of Economic				

Interaction of Cultures; State Building, Expansion and Conflict; Creation, Interaction, and Expansion of Economic Systems; and Development and Transformation of Social Structures. This course will be reading, writing, and research intensive.

African America	an History	Course No.	H4080EY
Elective Grades 10-12 NCAARecommended: Completion or current enrollment in Virginia & U.S. HistoryYear-Lon Year-Lon		Year-Long	1 credit
from the origins of Af events from perspect such as "what is freed	ed to introduce students to the major themes, issues, and topics in A rican kingdoms in the 1500s through today. In this course students ives typically not addressed in traditional curriculums. The course v om?" Throughout the course, students will utilize historical thinking s, comparison and contextualization, constructing historical argume	will explore pe vill center on q g skills such as	ople and uestions

historical analysis and interpretation.

TECHNOLOGY/TRADE AND INDUSTRIAL EDUCATION

Industrial Maintenance I		Course No	H6151ES
Elective: Grade 12; DE	Prerequisite: acceptance into the Trades Academy	Semester	2 credits
experience in welding, hydraulics, technical drawings, and quality con	safety and precision measurement skills and gain han pneumatics, HVAC, electricity, mechanical fundamenta ntrol. Industrial maintenance technicians repair and m This course is held off-site at Laurel Ridge Community	als, machine ali naintain comme	gnment,

This course may be Dual Enrolled with Laurel Ridge Community College.

Industrial Maintenance II		Course No) H6152ES
Elective: Grade 12; DE	Prerequisite: acceptance into the Trades Academy	Semester	2 credits
experience in welding, hydraulics, p technical drawings, and quality con	safety and precision measurement skills and gain hand oneumatics, HVAC, electricity, mechanical fundamenta atrol. Industrial maintenance technicians repair and m This course is held off-site at Laurel Ridge Community	ls, machine al aintain comm	ignment,

This course may be Dual Enrolled with Laurel Ridge Community College.

Imaging Technology		Course No.I	H6100EY
Elective: Grades 10-12	Prerequisite: none	Year-Long	1 credit
digital imaging. Students study the	the basic principles of photography while providing a e development of photography as a communication me arn to use image-editing software to manipulate digital	dium and its ev	

Video & Media Technology		Course No.I	H6270EY
Elective: Grades 10-12	Prerequisite: application & instructor approval	Year-Long	1 credit
writing for production to operating gathering news and information from introduced to analog and digital pr work outside the normal class day,	ortunity to study all aspects of video and media produ g studio and editing equipment. Students practice var om individuals, research, and online resources. In ad incipals of film production. The course will consist o computer lab hands-on demonstrations, and discuss journal with drawing and writing assignments throu	rious methods of dition, students a f independent st ions of student w	f are udent vork.

WORK-BASED LEARNING

Advanced Technologies Academy Cooperative EducationCourse No. H9210EYElective: Grades 11-12Co-requisite: enrollment in an Advanced
Technologies Academy courseYear-Long1 credit*

This course is a WBL experience, specifically for the Advanced Technologies Academy at the Emil & Grace Shihadeh Innovation Center, that connects CTE classroom instruction with paid workplace experience directly related to the student's interests, abilities, and goals. Cooperative education combines a rigorous and relevant curriculum with an occupational specialty. Students participating in cooperative education are guided by a formal, written training plan that defines specific academic and workplace skills to be mastered. Students must be at least 16 years old, unless an employment certificate is secured. *This class shall be graded on a pass-fail basis.*

*Students may earn one credit toward graduation for cooperative education experiences of at least a 280-hour duration and by working continuously throughout the school year.

Cooperative Office Education (COE) Course No.H912			.H9120EY	
Elective: Grades 11-12	Co-requisite: enrollment in a business	Year-Long	1 credit*	
	course			
This course is a career preparation	1 WBL method that combines Career & Technical Ec	lucation classroc	m	
instruction with paid employment	that is directly related to the student's plan of stud	y. The school an	d the	
employer plan, coordinate, and su	pervise the instruction and employment so that eac	h contributes di	rectly to	
the student's career objectives and	l employability. Students earn credit toward gradua	ation for coopera	tive	
education experiences, and they n	education experiences, and they normally work between 11 and 15 hours per week to achieve a minimum of 280			
hours. Applications for the COE program are available from the School Counseling Office or the COE Coordinator.				
Students must be at least 16 years old, unless an employment certificate is secured. This class shall be graded on				
a pass-fail basis.			-	
*Students may earn one credit tow	ard araduation for cooperative education experience	s of at loast a 28(hour	

*Students may earn one credit toward graduation for cooperative education experiences of at least a 280-hour duration and by working continuously throughout the school year.

Health Science Academy Cooperative Education		Course No.	H9160EY
Elective: Grades 11-12	Co-requisite: enrollment in a Health Science	Year-Long	1 credit*
	Academy course		
This course is a WBL experience, s	pecifically for the Health Science Academy at the Emil	l & Grace Shiha	deh

Innovation Center, that connects CTE classroom instruction with paid workplace experience directly related to the student's interests, abilities, and goals. Cooperative education combines a rigorous and relevant curriculum with an occupational specialty. Students participating in cooperative education are guided by a formal, written training plan that defines specific academic and workplace skills to be mastered. Students must be at least 16 years old, unless an employment certificate is secured. *This class shall be graded on a pass-fail basis.*

*Students may earn one credit toward graduation for cooperative education experiences of at least a 280-hour duration and by working continuously throughout the school year.

Internship Course No. H9180E			. H9180EY
Elective: Grades 11-12	Prerequisite: application process	Year-Long	1 credit*

This course is a WBL experience that places the student in a real workplace environment to develop and practice career-related knowledge and skills for a specific career field related to the student's career interests, abilities, and goals. Internships may be paid or unpaid. It is connected to classroom learning and accompanied by structured reflection activities. Students participating in internships are guided by a formal, written training plan that defines specific academic and workplace skills to be mastered. *This class shall be graded on a pass-fail basis.*

*Students may earn one credit toward graduation for internships of at least a 280-hour duration and by working continuously throughout the school year. Internships of shorter duration do not earn a credit outside of that already earned for the related CTE course.

Library Student Aide		Course No. I	H9220EY
Elective: Grades 11-12	Prerequisite: application & instructor approval	Year-Long	1 credit
This course will provide students with experience in providing library media services for students and teachers. Students will have the opportunity to read books, write reviews, create promotional materials and displays, and			

participate in global project-based learning opportunities. This course is highly recommended for students considering careers as library media specialists, teachers, writers, and instructional technology specialists.

Marketing Cooperative EducationCourse No.H9130E			.H9130EY
Elective: Grades 11-12	Co-requisite: enrollment in a marketing class	Year-Long	1 credit*
instruction with paid employment employer plan, coordinate, and sup student's career objectives and em experiences, and they normally wo Applications for the Co-Op program	WBL method that combines Career & Technical Edu that is directly related to the student's plan of study. pervise the instruction and employment so that each ployability. Students earn credit toward graduation ork between 11 and 15 hours per week to achieve a n n are available from the School Counseling Office or old, unless an employment certificate is secured. <i>The</i>	The school and contributes dir for cooperative ninimum of 280 the Co-op Coord	d the rectly to the education hours. linator.

*Students may earn one credit toward graduation for cooperative education experiences of at least a 280-hour duration and by working continuously throughout the school year.

Mentorship		Course No	. H9190EY
Elective: Grades 9-12	Prerequisite: application process	Year-Long	0.5 credit*
development of students as they le community professional who has a occupational field or career cluster wisdom, teaching, role modeling, a format and goals of the mentoring professional benefits, which ultima student preparation, including care	at consists of a long-term relationship focused on sup arn about a particular industry and workplace. The s recognized record of achievement and first-hand exp of the student's choice. The mentor becomes a source nd support. The knowledge, advice, and resources sh relationship. Mentor support can provide a wide rang tely lead to improved performance in the workplace. eer exploration, prior to the experience. Students will the experience has been completed. <i>This class shall b</i>	tudent is paire perience in the re of guidance, ared depend o ge of personal Mentorship re also be requir	ed with a motivation, on the and equires red to

*Students may earn .5 credit toward graduation for mentorships of at least a 140-hour duration. Mentorships of shorter duration do not earn a credit outside of that already earned for the related CTE course.

Nurse Aide Cooperative Education		Course No. C9140EY		
Elective: Grades 12	Co-requisite: enrollment in Patient Care Technician	Year-Long	1.5 credits	
This course is a WBL experience, specifically for the Nurse Aide program at the Emil & Grace Shihadeh Innovation Center, that connects CTE classroom instruction with paid workplace experience directly related to the student's				
	s. Cooperative education combines a rigorous and releva			

occupational specialty. Students participating in cooperative education are guided by a formal, written training plan that defines specific academic and workplace skills to be mastered. Students must be at least 16 years old, unless an employment certificate is secured. *This class shall be graded on a pass-fail basis.*

Professional Skills Academy Cooperative Education		Course No. H9200EY	
Elective: Grades 11-12	Co-requisite: enrollment in a Professional	Year-Long	1 credit*
	Skills Academy course		
Skills Academy courseThis course is a WBL experience, specifically for the Professional Skills Academy at the Emil & Grace ShihadehInnovation Center, that connects CTE classroom instruction with paid workplace experience directly related to astudent's interests, abilities, and goals. Cooperative education combines a rigorous and relevant curriculum withan occupational specialty. Students participating in cooperative education are guided by a formal, written trainiplan that defines specific academic and workplace skills to be mastered. Students must be at least 16 years old,unless an employment certificate is secured. This class shall be graded on a pass-fail basis.		lated to the llum with en training	

*Students may earn one credit toward graduation for cooperative education experiences of at least a 280-hour duration and by working continuously throughout the school year.

WORLD LANGUAGES

German I		Course No.	H7031EY
Elective: NCAA	Prerequisite: none	Year-Long	1 credit
family life and tourism. In addition assignments and activities. By the	beginning German with emphasis on basic gramma a, students learn about German culture and customs end of the course, students will be able to speak, und and English are the languages of instruction in the cl	through interact lerstand, write a	tive

German II Course No.H7032			H7032EY
Elective: NCAA	Prerequisite: German I	Year-Long	1 credit
write essays on topics of interest, s	ed in German I. Students learn more sophisticated g such as sports and politics; engage in frequent conve present formal oral presentations; and study Germa	ersations in Germ	nan in the

culture. German and English are the languages of instruction.

German III			H7033EY
Elective: NCAA	Prerequisite: German II	Year-Long	1 credit
review, refine, and expand their kn essay writing are emphasized whil	e, interests, and concerns of teenagers in German-spowledge of German vocabulary and grammar. Deba e studying topics such as media and advertising, rig nvironment. German is the primary language of the	te and discussion ts and responsi	skills and

German IV		Course No.H	H7034DY
Elective: NCAA	Prerequisite: German III	Year-Long	1 credit
contemporary and classical Germa	one skills in writing, reading, listening and speaking In literature; current events and culture in German- Indent and group work and take advantage of techno lage of the classroom.	speaking lands. S	tudents

AP German Language and Culture		Course No.I	H7035AY
Elective: NCAA	Prerequisite: German IV	Year-Long	1 credit
Elective: NCAAPrerequisite: German IVIn this course, German students continue to build and demonstrate their writing, reading skills. Emphasis will be on written and oral analysis of a variety of fiction and non-fiction various aspects of contemporary culture of German-speaking lands. Students will hone g vocabulary, make use of technology and participate in exercises to prepare them for the a Examination. German is the language of the classroom.		on works as well grammar skills,	l as , build

French I Con			H7021EY
Elective: NCAA	Prerequisite: none	Year-Long	1 credit
Elective: NCAAPrerequisite: noneYear-Long1 creditThis course is designed with an emphasis in communication in speaking, reading, writing, and listening activities. Speaking and writing is an interactive process whereas reading and listening is a receptive process. Students will learn in a real life process through partner exchange and online writing to discover French culture and language from across the globe. French and English are the languages used in the high school classroom.			rocess. ch culture

French II		Course No.	H7022EY
Elective: NCAA	Prerequisite: French I	Year-Long	1 credit
skills with presentational opportu	attained in French I. Students will continue to expand nities, writing dialogues, speaking with partners in a hone culture, reading novice to intermediate stories,	group context t	

French III		Course No.I	H7023EY
Elective: NCAA	Prerequisite: French II	Year-Long	1 credit
Investigating French History and in language. Daily speaking, learning	nnced comprehension in Reading and Speaking, Writ ntermediate level stories will expand student compr poetry, project-based learning assignments are exar exercises online and podcasts are a few of the tools u	ehension in the t nples of practice	target for

French IV			H7024EY
Elective: NCAA	Prerequisite: French III	Year-Long	1 credit
language effectively. Going from the speaking in dialogue daily, writing	French in order for student's ability to think and core intermediate to advanced level of comprehension and reviewing grammar and sentence structures, a are expected to read about target issues and participues.	is the focus thround cultural resear	ıgh rch within

AP French Language and Culture		Course No	b.H7025AY
Elective: NCAA	Prerequisite: French IV	Year-Long	1 credit
academic year. Students build their research and writing using French i	French in preparation for college level training and speaking and listening comprehension as well as o n the contemporary world. There is a writing emp t and comprehension from audio and literary writ	leepen their ski hasis using ema	ills in ail and essay

Latin I			H7041SY
Elective: NCAA	Prerequisite: none	Year-Long	1 credit
and verbs. Students learn basic En	idents' ability to comprehend Latin, and includes a t glish grammar, as well as history, mythology, and Eng which has most influenced our own. Students read a	glish vocabulary,	, while

Latin II		Course No.	H7042SY	
Elective: NCAA		Prerequisite: Latin I	Year-Long	1 credit
The course will continue to build Latin grammar, vocabulary and English derivatives, as well as glimpsing				
different aspects of Roman life. A year-long study of mythology and history exposes students to the influence of			luence of	
classical myths and a	ncient Romar	culture on art, literature and the English language.		

Latin III Course No.H		H7043SY	
Elective: NCAA	Prerequisite: Latin II	Year-Long	1 credit

This course, after an intensive review of Latin grammar, will use their accumulated grammar and vocabulary to read original Latin works which will give an insight into what the Romans thought about themselves. This involves the study of ancient Roman authors, along with an in-depth study of Roman history from the fall of Troy through the fall of the Empire over 1500 years. Students will be exposed to the heroes, villains, and ideas which have influenced our lives, with emphasis on the first century B.C. and the roles of Caesar, Cicero, and Augustus.

AP Latin

Course No.H7044AY

Elective: NCAA	Prerequisite: Latin III	Year-Long	1 credit
In this course, Vergil and his works are viewed in the perspective of the Augustan Age and its impact on world			n world
history and literature while reading his epic, the Aeneid. Additionally, students will read selections of Julius			ılius
Caesar's Gallic Wars. AP Latin places a heavy emphasis on literal translation, reading comprehension,			

contextualization and text analysis.

Spanish I		Course No. H7011EY			
Elective: NCAA	Prerequisite: none	Year-Long	1 credit		
In this course, students will successfully begin their language acquisition process through consistent and constant exposure to Spanish language, comprehensible input. This course will introduce students to high frequency Spanish vocabulary in order to begin communication about a broad range of authentic topics. Language and culture are taught simultaneously, allowing Spanish students the opportunity to develop cultural understanding.					

Spanish II		Course No.H7012EY		
Elective: NCAA	Prerequisite: Spanish I or Spanish for heritage	Year-Long	1 credit	
	speakers I	_		
In this course, students will advance in their language acquisition process through consistent and constant exposure to the Spanish language with the use of high frequency Spanish vocabulary. This course continues to explore language and culture simultaneously in order to increase cultural awareness and develop global citizenship.				

Spanish III		Course No.H7013EY	
Elective: NCAA	Prerequisite: Spanish II or Spanish for heritage speakers II	Year-Long	1 credit
input by being exposed to m	refine their Spanish language skills through the continuou nore advanced grammar and language structures, and auth s an essential part of the curriculum.	1	

Spanish IVCourse NO.Elective: NCAAPrerequisite: Spanish III or Spanish for heritage
speakers IIIYear-Long1 creditThis course is considered a pre-AP course which emphasizes communication (underst-ding and being
understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations.
This includes vocabulary usage control, communication strategies, and culture awareness. This includes vocabulary usage control, communication strategies, and culture awareness. This includes and culture and to prepare for the AP Spanish Language and Culture course.
Spanish IV is approximately equivalent to an upper-inter-wediate college university course in Spanish. Spanish IV is approximately equivalent to an upper-inter-wediate college university course in Spanish.
IV is approximately equivalent to an upper-inter-wediate college university course in Spanish.
IV is approximately equivalent to an upper-inter-wediate college
AP Spanish Language and Culture		Course No.H7015AY	
Elective: NCAA	Recommended: Spanish IV or teacher recommendation	Year-Long	1 credit
This course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage,			

language control, communication strategies, and cultural awareness. This course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish.

AP Spanish Literature	and Culture	Course No. 1	H7016AY
Elective: NCAA	Recommended: Spanish IV or teacher recommendation	Year-Long	1 credit
plays, and essays) from Penins proficiencies across the three range of Intermediate High to (ACTFL) Proficiency Guideline	oproach to introduce students to representative texts (sh sular Spanish, Latin American, and U.S. Hispanic literatur modes of communication (interpretive, interpersonal, ar Advanced Mid of the American Council on the Teaching o es. Through careful examination of the required readings ding and analytical writing skills. Literature is explored v	e. Students deve ad presentationa of Foreign Langu and other texts,	lop l) in the ages' students

time and place, and students gain insights on the many voices, historical periods, and cultures' represented in the required readings and other texts.

Spanish for Heritage Speakers I		Course No.	H7001LY	
Elective	Prerequisite: none	Year-Long	1 credit	
In this course, students will reinforce their comprehension and production of the Spanish language through Comprehensible Input. They will explore culturally relevant issues while developing a sense of cultural pride.				
This class will be taught exclu			i pride.	

Spanish for Heritage Speakers II		Course No.H7002LY	
Elective	Prerequisite: Spanish I or Spanish for heritage speakers I	Year-Long	1 credit
will benefit from further instru	This course continues to explore language and cultural issues through authentic and fictional resources. Students will benefit from further instruction in reading, writing, basic principles of grammar, spelling, sentence structure, punctuation, accents, and paragraph organization. This class will be taught exclusively in Spanish.		

Spanish for Heritage Speakers III		Course No.H7003LY	
Elective	Prerequisite: Spanish II or Spanish for heritage speakers II	Year-Long	1 credit
input by being exposed to mo	efine their Spanish language skills through the continuous re re advanced grammatical and language structures, and aut I II, culture is an essential part of the curriculum. This class	hentic reading	

Emil & Grace Shihadeh Innovation Center at John Handley High School

Expanding Education to Meet the Workforce Needs of Tomorrow

According to the US Bureau of Labor and Statistics, over the next ten years, the labor market is projected to expand by 6 million new jobs. By 2032 one in four people will be aged 65 and older, leading to a large portion of the workforce exiting the labor market, creating opportunities for those starting out on their career pathways.



A joint venture with Laurel Ridge Community College and local industry partners, the Innovation Center trains and equips youth and adults to meet the demands of the regional job market while also preparing students for global opportunities. Using hands-on learning strategies, students develop the necessary skills leading to marketable certifications. Industry partners play an active role in the development of the program of study, while also committing to work-based learning opportunities for students. Also, Laurel Ridge Community College provides instructors and equipment for certification and credit bearing courses. Incorporating this strategy, the Innovation Center has become a hub of workforce development for the community, serving both high school students and adults.

The instructional culture at the Innovation Center is interdisciplinary and organized into industry themes where Career & Technical Education (CTE) teachers, core academic teachers, and students collaborate on authentic, real-world problems. While attending the Innovation Center students take one CTE course and one core class. All JHHS students have an opportunity to have an experience at the Innovation Center, and the center is open to help train adults in cooperation with Laurel Ridge Workforce.

Three academies are housed at the Innovation Center -- *Advanced Technologies Academy*, *Professional Skills Academy*, and *Health Sciences Academy* -- each offering programs designed to foster students with the skills and credentials needed for a career in their respective field.

Advanced Technologies Academy	Professional Skills Academy	Health Science Academy
Computer Programming Cybersecurity Fundamentals Cybersecurity Technology I (DE) Advanced Cybersecurity Technology (DE) Electronic Systems I Electronic Systems II Imaging Technology Video and Media Technology	Materials & Processes Technology Electricity I Electricity II Welding I Welding I Carpentry I Carpentry II Technical Drawing & Design Architecture Drawing & Design Plumbing (Laurel Ridge Community College Workforce) Plumbing II (Laurel Ridge Community College Workforce) HVAC I (Laurel Ridge Community College Workforce) HVAC I (Laurel Ridge Community College Workforce) Electricity I(Laurel Ridge Community College Workforce) Electricity I(Laurel Ridge Community College Workforce) Electricity I(Laurel Ridge Community College Workforce)	Intro. to Health and Medical Sciences Emergency Medical Technician I Emergency Medical Technician II Medical Laboratory Technology I Medical Laboratory Technology II (DE) Nurse Aide I Nurse Aide II Patient Care Technician Physical/Occupational Therapy I Physical/Occupational Therapy II Firefighting I Firefighting I

The table below includes CTE courses available at the Innovation Center. Please note that courses may not be available every semester and course offerings will be continually updated.



Core class offerings are based on availability and VDOE credit requirements. Core subjects will be taught using a blend of personalized learning and project-based learning to enhance academic performance. Students will design their criteria for success and negotiate their time and learning with teachers.

ADVANCED TECHNOLOGIES ACADEMY

Career pathway opportunities and sample career options



Cybersecurity Fundamentals		Course No.	.C6060EY
Elective: Grades 9-12	Prerequisite: none	Year-Long	1 credit
This course focuses on the evolving and all-pervasive technological environment with an emphasis on securing			
personal, organizational, and national information. Students will be introduced to the principles of cybersecurity,			
explore emerging technologies, examine threats and protective measures, and investigate the diverse high-skill,			
high-wage, and high-demand care	eer opportunities in the field of cybersecurity.		

Cybersecurity Technology I		Course No.	C60501DY
Elective: Grades 9-12; DE	Recommended: Cybersecurity Fundamentals	Year-Long	1 credit
computer system. Students will in configure, and secure various ope system tools and diagnostic softw addition, students explore the rela	world of computer technology and gain practical exper- nstall, configure, and secure various operating systems. rating systems. Students will troubleshoot computers are. They develop skills in computer networking and r ationships between internal and external computer cor s may qualify to take the CompTIA A+ certification examples	. Students will in and peripherals esource sharing. nponents. Upon	nstall, and use . In

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of each semester. Students who wish to take this course as a dual enrollment course can earn three college credits through Laurel Ridge Community College (Laurel Ridge Community College ITN 107). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

Advanced Cybersecurity Technology IICourse No. C6061DY			o. C6061DY
Elective: Grades 10-12; DE	Prerequisite: Cybersecurity Technology I	Year-Long - 2 Blocks	2 credits

In this course, students will gain a basic understanding of emerging technologies including unified communications, mobile, cloud, and virtualization technologies. The course prepares students for postsecondary education and training and a successful career in information technology. Upon successful completion of the course, students may qualify to take CompTIA's A+ and Network+ certification exams.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of each semester. Students who wish to take this course as a dual enrollment course can earn six college credits through Laurel Ridge Community College (Laurel Ridge Community College ITN 106). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

Electronic Systems I Course No.C613		b.C6131EY	
Elective: Grades 9-12	Recommended: Technical Drawing and Design	Year-Long	1 credit
theories and mathematics princip design and build electronic proje and will build an electronic devic	electricity and electronic experiments that focus on the oles. Students solve problems using simple electrical de cts using DC and AC devices and circuits. Students learn e. Students will examine how electricity and electronics nance, management, technical and production skills and	vices and circuit basic soldering are involved in	ts, and techniques all aspects

Electronic Systems II		Course No	o.C6132EY
Elective: Grades 10-12	Prerequisite: Electronics Systems I	Year-Long	1 credit
apply theories and laws with electr integrated circuits used in compute radio and various robotic devices.	electronics devices, instruments, and circuits, building ronic components such as resistors, capacitors, and tran ers, amplifiers, television, and other equipment. Studen Students will examine how electricity and electronics a ance, management, technical and production skills and	nsistors. They a its will build an re involved in a	also study 1 AM/FM all aspects

PROFESSIONAL SKILLS ACADEMY

Career pathway opportunities and sample career options



Materials and Processes Technology		Course No.	C6140EY
Elective: Grades 9-12	Prerequisite: none	Year-Long	1 credit
usable products and conduct exper and equipment related to analysis, materials. This single-period labor	ts focus on industrial/technical materials and proces riments. Learning experiences include career analysis testing, and processing of metals, plastics, woods, cen- ratory course is recommended for students interested nsumer knowledge and technological literacy. This ca	s as well as the us ramics, and comp l in technical car	se of tools posite reers and

Carpentry I		Course No.	C6030EY
Elective: Grades 9-12	Recommended: Materials and Processes Technology	Year-Long	1credit
lucrative career. With an emp construction mathematics, ir identifying types of residenti	or achieving high-level construction industry skills that can bhasis on safety, students are taught to use hand and power nterpret blueprints, and understand basic rigging. Students al construction components to frame walls, floors, ceilings, btain the required Construction Industry OSHA 10 safety cre	tools, cut stock, will become pro roofs, doors, and	apply ficient in

Carpentry II		Course No.C6041EY	
Elective: Grades 10-12	Prerequisite: Carpentry I	Year-Long - 2 Blocks	2 credits
fields such as construction manage power tools common to the indust Students will become proficient in	ansition into postsecondary education for careers in ement, architecture, and others. Students are taught ry to complement their OSHA 10 safety credential e assembling and installing various types of residenti dards, including rigging and job-estimating procedu	the safe use of arned in Carper al construction	hand and ntry I. 1 components

framing floors, walls, ceiling, roofs, trusses, roofing materials, stairs, exterior doors and windows, decks, and porches. Successfully passing this course leads to CTE program completion.

Welding I Course No.C60701				
Elective: Grades 9-12	Recommended: Materials and Processes Technology	Year-Long	1 credit	
This course is a hands-on, skill building class designed to introduce the student to the basics of manufacturing. Students learn to safely and accurately use a variety of machine tools, jigs, and fixtures, and precision measuring				
tools. Students are provided	with the opportunity to develop entry-level skills in machin	ing, welding and	t	

fabricating using a variety of processes. Students work individually and in groups to complete activities and projects. Students gain hands-on experiences enabling them to develop employability skills and make informed career choices in manufacturing and related technical fields.

Welding II		Course No. C6081EY	
Elective: Grades 10-12	Prerequisite: Welding I	Year Long -	2 credits
		2 Blocks	
This course teaches advanced welding students to fine-tune their craft and to perform V-groove welds in all positions, using multiple welding processes. Students prepare to pass relevant industry certifications. Welding is required by a wide variety of industries, anywhere fusible materials and high heat are needed to manufacture,			
	nal welders are in high-demand and can earn accord		ulactul C,

Electricity I		Course No.	C6134EY
Elective: Grades 10-12	Prerequisite: none	Year-Long	1 credit
maintenance, and repair of re activities in a lab setting. The wiring of retailers, schools, b and student participation in o leadership, interpersonal, and learning opportunities relate performed in partnership with	al electrical skills to help them prepare for a career in the in esidential, commercial, and industrial systems. Students wil y will be introduced to residential wiring of houses and apa usinesses, and hospitals; and industrial wiring of factories. co-curricular career and technical student organization (CT d career skills. High-quality work-based learning (HQWBL) d to students' career goals and/or interests, integrated with th local businesses and organizations. h Registered Apprenticeship and may count as progress toward a	l engage in hand irtments; comm Contextual instr SO) activities wi will provide exp n instruction, and	ls-on ercial uction ill develop periential d

Electricity II Course M		o. C6135EY	
Elective: Grades 11-12	Prerequisite: Electricity I	Year-Long 2 Blocks	2 credits
commercial, and industrial electric problems related to electricity; app conductors; examine lighting, comm panelboards, switchboards, ground in co-curricular career and technica and career skills. High-quality work	kills in the installation, operation, maintenance, an al systems. Students will also study electrical theor oly requirements of the National Electrical Code (NH nunication, and power systems; and work with con ling systems, and generators. Contextual instruction al student organization (CTSO) activities will develo k-based learning (HQWBL) will provide experientia d/or interests, integrated with instruction, and per	y and mathema EC); select and i iduits and racev n and student p op leadership, i il learning oppo	itical install vays, articipation nterpersonal ortunities

Technical Drawing and Design		Course No.	C6110EY
Elective: Grades 9-12	Prerequisite: none	Year-Long	1 credit
used by almost every industry. Stud fundamental drafting principles. St innovation. Autodesk Design Acade computer-aided design (CAD) tech	with an introductory background to one of the basic co dents study and apply basic drafting skills and gain a cudents will plan, design, and construct a prototype m emy software will be used to provide the student with nology. The student will learn how CAD applications a re architectural design, construction and manufacturi	background in odel of a new in othe latest in are used in indus	vention or

Architectural Drawing and Design		Course No.	C6120EY		
Elective: Grades 10-12	Prerequisite: Technical Drawing and Design	Year-Long	1 credit		
1	opportunity to learn more about the principles of arc				
	provides information that will be beneficial to future				
designers, homebuilders and any h	omeowner. Students will explore careers in architect	ure by creating a	a set of		
building plans for residential and/	building plans for residential and/or commercial buildings. They will also plan, design, and construct a scale				
model of a residential or commercial structure and prepare a 3D computer animated walk-through of a building.					
AutoCAD Architecture and Autodesk Revit Architecture software will be used to provide the student with the					
latest in computer-aided design (CAD) technology. The student will learn how CAD applications are used in					
industry.					

HEALTH SCIENCE ACADEMY

Career pathway opportunities and sample career options



Students participating in health science programs will engage in clinical settings (possible examples are the Winchester Medical Center and the Winchester Fire & Rescue Department). As a result, students will be taught how to safely manage situations that deal with actual patients and be privy to patient information requiring maturity, confidentiality, and important safety protocols. All of these are skills students will learn through the programs and be able to implement in the live setting.

Students in the Nurse Aide, EMT and Medical Laboratory Technologies, Physical/Occupational Therapy courses will be required to have updated immunization records and are subject to a criminal background check and drug testing. Students must have a clean criminal background check and must provide a non-positive drug test.

Please note: certain locations are requiring the COVID-19 vaccination and students must adhere to these requirements.

Introduction To Health & Medical Sciences		Course No.	C6170EY
Elective: Grades 9-12	Recommended: Algebra I and Biology	Year-Long	1 credit
health and medical sciences. It is designed and to learn basic health can diagnostic and clinical procedures, emergency care. Throughout the control accountability, and efficiency within for entry into the health and medical sciences.	to a variety of health care careers and develops basi esigned to help students understand the key element re terminology, anatomy and physiology for each boo therapeutic interventions, and the fundamentals of burse, instruction emphasizes safety, cleanliness, ase in the health care environment. Students also begin g al sciences field. In addition, instruction may include ogy fundamentals, biotechnology concepts, and comm CPR instruction is included.	ts of the U.S. hea dy system, path traumatic and r psis, profession aining job-seek the basics of m	alth care ologies, nedical alism, ing skills iedical

Emergency Medical Ted	chnician I	Course N	No. C6150ES	
Elective: Grades 11-12	Recommended: Intro to Health Sciences * See Notation	Semester (2 blocks)	1 credits	
This course includes tasks from	This course includes tasks from the National Emergency Medical Services Educational Standards. Students			

explore and apply the fundamentals of emergency medical services, anatomy, physiology, and medical terminology while demonstrating skills in assessing and managing patient care, including assessing the scene and understanding shock, resuscitation, and trauma. Supervised field experience outside of school hours is required.

Note: <u>Students must be at least 16 years old</u> by the first day of the course offering. Students should take Emergency Medical Technician I first-semester and Emergency Medical Technician II second-semester.

*Before enrolling students need to read the responsibility, confidentiality, and accountability statement on Page 80. Students need to read and comply with the course enrollment requirements on Page 80.

Emergency Medical Technician II		Course N	o. C6160ES	
Elective: Grades 11-12	les 11-12 Prerequisite: Emergency Medical Technician I Semester 1 cre			
	* See Notation	(2 blocks)		
This course includes tasks fro	om the National and Virginia Emergency Medical Ser	rvices (EMS) Educa	tional	
of EMS operations, medical e experience that includes at lea all course requirements and the Psychomotor Exam and the M Students must meet the requirement (refer to EMS.TR.14B and 12) percent of the didactic and la Note : <u>Students must be at lease</u>	their knowledge and skills for providing basic life sumergencies, and management of special patient poperast 10 patient contacts outside of school hours is reinstructor endorsement may lead to eligibility to take vational Registry of Emergency Medical Technicians irements of the Functional Position Description for to VAC5-31-1501 in the Code of Virginia). Students must aspects of the course, per 12VAC5-31-1501 in the east 16 years old by the first day of the course offering an I first-semester and Emergency Medical Technician	ulations. Supervise quired. Successful of the Virginia State (NREMT) cognitive the Basic Life Suppo st complete a minin Code of Virginia. g. Students should t	d field completion of e exam. ort Provider num of 85 cake	

Firefighting I Course No. C			No. C6133ES
Elective: Grades 11-12	Prerequisite:	Semester	1 credit
		(2 blocks)	

Firefighting requires discipline and attention to academic and professional standards to successfully fight live fires, address hazardous-materials (HAZMAT) incidents, and conduct search-and-rescue operations. Students will become familiar with the procedures, equipment, and technologies used by fire departments. This course challenges students academically, mentally, and physically and meets the standards of National Fire Protection Association (NFPA) 1001-2013 leading to the opportunity to obtain a Firefighter I certification. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

<u>Students must be at least 16 years old (</u>Code of Virginia 40-1.79.1) by the first day of the course offering. <u>Enrollment also requires parental consent</u>. Additional requirements, including CPR, HAZMAT operations, and Mayday Awareness, are stipulated for those students seeking NFPA 1001-2013 Firefighter I certification.

*Before enrolling students need to read the responsibility, confidentiality, and accountability statement on Page 80. Students need to read and comply with the course enrollment requirements on Page 80.

Firefighting II		Course	e No. C6134ES
Elective: Grades 11-12	Prerequisite: Firefighting I	Semester (2 blocks)	1 credit

This course builds on the professional knowledge and skills gained in Firefighting I. Students respond to situations caused by simulated terrorism, accidents, and natural disasters by managing resources such as medevac helicopters, emergency medical personnel, technical rescue teams, and community-based organizations. Students will become familiar with the procedures, equipment, and technologies used by current fire departments. This course challenges students academically, mentally, and physically and meets the standards of National Fire Protection Association (NFPA) leading to the opportunity to obtain Firefighter II certification. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations. Students must be at least 16 years old (Code of Virginia 40-1.79.1) by the first day of the course offering. Enrollment also requires parental consent. Additional requirements, including CPR, HAZMAT operations, and Mayday Awareness, are stipulated for those students seeking NFPA 1001-2013 Firefighter I certification.

*Before enrolling students need to read the responsibility, confidentiality, and accountability statement on Page 80. Students need to read and comply with the course enrollment requirements on Page 80.

Medical Laboratory Tech	Course No	.C6181DY	
Elective: Grades 11-12	Year-Long	1 credit	
This course gives students an overview of the clinical lab, hematology, urinalysis, and clinical chemistry. Students gain foundational knowledge and skills appropriate for a variety of medical-related career paths in the field of medical laboratory technology. They are introduced to diagnostic and therapeutic laboratory procedures that support medical practice and research, and investigate safety, quality assurance, and ethical concerns associated			
with the field of medical laboratory technology.			

Medical Laboratory Tec	Course No	.C6182DY	
Elective: Grades 11-12; DE Prerequisite: Medical Laboratory		Year-Long	1 credit
	Technology I		
	* See Notation		

In this hands-on course, students perform tests normally seen in the clinical setting as they build on the foundational knowledge and skills obtained in Medical Laboratory Technology I. The students will use the basic principles necessary to perform competently in the areas of clinical microbiology, immunohematology, and immunology/serology, coagulation/hemostasis, and molecular diagnostics. Competency includes performing the technique correctly, understanding the theory of the procedures, and interpreting the results.

This course may be dual enrolled. A final grade and/or credit for this course will be earned at the end of the year. Students who wish to take this course as a dual enrollment course can earn three college credits through Laurel Ridge Community College (Laurel Ridge Community College MDL 101). Students must satisfy enrollment criteria and pay a reduced college tuition rate to be eligible for college credits.

*Before enrolling students need to read the responsibility, confidentiality, and accountability statement on Page 80. Students need to read and comply with the course enrollment requirements on Page 80.

Nurse Aide I Course No.C61			.C6191ES	
Elective: Grades 11-12Prerequisite: application & Instructor Approval		Semester	1 credit	
	Recommended: Intro to Health Sciences	(2 blocks)		
	* See Notation			
This course is offered as an occupational preparation course which emphasizes the study of nursing occupations as related to the health care system. Students study normal growth and development, simple body structure and				
function, and medical terminology and are introduced to microbes and disease. They receive elementary skill				
training in patient-nursing assistant relationships; taking and recording of vital signs; cardiopulmonary				
resuscitation; and bathing, feeding, dressing, and transporting of patients in hospitals and nursing homes.				
Limited on-the-job instruction in nursing homes and hospitals is part of the course. This course can be used as an				
introduction to practical nursing or to prepare the student for Nurse Aide II so that all competencies for a				
certified nursing assistant are met. Students should take Nurse Aide I first-semester and Nurse Aide II				

second-semester.

*Before enrolling students need to read the responsibility, confidentiality, and accountability statement on Page 80. Students need to read and comply with the course enrollment requirements on Page 80.

Nurse Aide II		Course No. C6192ES
Elective: Grades 11-12	Prerequisite: Nurse Aide I * See Notation	Semester 1 credit (2 blocks)

This course is an occupational preparation course, emphasizing advanced skill training in areas such as catheter care, range of motion, bowel and bladder training, care of the dying, selected procedures for maternal and infant care, and admission and discharge procedures. Students learn diseases and body systems as related to advanced clinical care of the acute medical-surgical patient, the chronically ill, and the elderly. On-the-job instruction in a licensed nursing home is part of the course. Upon completion of the nurse aide program, the student is eligible to take the nurse aide certification exam that leads to employment as a certified nurse aide in hospitals and nursing homes. Upon completion of the course, students will sit for the Nurse Aide Exam given by the Board of Nursing. Students should take Nurse Aide I first-semester and Nurse Aide II second-semester.

Patient Care Technician		Course N	o. C6193EY
Elective: Grades 12	Prerequisite: Nurse Aide II & CNA credential Co-requisite: Nurse Aide Cooperative Education	Year-Long	1 credit

This course emphasizes the study of nursing occupations as related to the healthcare system. Students study normal growth and development, simple body structure and function, and medical terminology and are introduced to microbes and disease. Upon completion of the course, students will master skills performing ECGs, basic medical, lab and exam procedures, drawing blood, and providing basic patient care. Students may be eligible to take the National Certification exams to become a Certified Phlebotomy Technician, Certified EKG Technician, and Certified Patient Care Technician.

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Physical/Occupational Tl	Course No. C	6175EY	
Elective: Grades 11-12	Recommended: Intro to Health Sciences and Anatomy and Physiology * See Notation	Year-Long - 2 Blocks	2 credits

The course is designed to provide an introduction to the professions of physical and occupational therapy. Students explore the principles and practices of therapists in the healthcare industry and participate in clinical observation under the direct supervision of a licensed physical and/or occupational therapist. Clinical skills in the areas of physical therapy and occupational therapy enable students to gain understanding of rehabilitative care, which is practiced throughout the continuum of care and across the life span of individuals. After successful completion of this course, students may seek higher education for specific degrees/licensure in a variety of fields such as physical therapy, occupational therapy, sports medicine, athletic training, chiropractic medicine, biology, or exercise science.

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Physical/Occupational Therapy II

Course No.C6176EY

Elective: Grades 11-12	Required: Physical/Occupational Therapy I	Year-Long -	2 Credits
	Recommended: Intro to Health Sciences and	2 Blocks	
	Anatomy and Physiology		
	* See Notation		

The course is designed to provide an introduction to the professions of physical and occupational therapy. Students explore the principles and practices of therapists in the healthcare industry and participate in clinical observation under the direct supervision of a licensed physical and/or occupational therapist. Clinical skills in the areas of physical therapy and occupational therapy enable students to gain understanding of rehabilitative care, which is practiced throughout the continuum of care and across the life span of individuals. After successful completion of this course, students may seek higher education for specific degrees/licensure in a variety of fields such as physical therapy, occupational therapy, speech therapy, sports medicine, athletic training, chiropractic medicine, biology, or exercise science.

Sequential Electives

The following sequences are approved to meet the sequential electives requirement for graduation. Only courses not needed for graduation can count as a sequential elective. Please see the graduation requirements charts for more detailed information.

There may be additional sequential electives as approved by administration.

Academic Support				
Study Skills I	Followed by	Study Skills 2		
Reading I	Followed by	Reading II		
Business and Information	Fechnology			
Accounting	Followed by	Advanced Accounting, Computer Information Systems, Advanced Computer Information Systems, Design, Multimedia, & Web Technologies, Adv. Design, Multimedia, & Web Technologies, Entrepreneurship, Medical Systems Administration, Principles of Business & Marketing		
Computer Information Systems	Followed by	Accounting, Advanced Accounting, Advanced Computer Information Systems, Design, Multimedia, & Web Technologies, Adv. Design, Multimedia, & Web Technologies, Entrepreneurship, Information Technology Fundamentals, Medical Systems Administration, Principles of Business & Marketing, Computer Programming, Advanced Computer Programming		
Computer Programming	Followed by	Computer Information Systems, Advanced Computer Information Systems, Design, Multimedia, & Web Technologies, Adv. Design, Multimedia, & Web Technologies, Advanced Computer Programming		
Design, Multimedia, & Web Technologies	Followed by	Accounting and Advanced Accounting, Computer Information Systems, Advanced Computer Information Systems, Adv. Design, Multimedia, & Web Technologies, Information Technology Fundamentals, Medical Systems Administration, Principles of Business & Marketing, Computer Programming, Advanced Computer Programming		
Principles of Business & Marketing	Followed by	Accounting, Advanced Accounting, Computer Information Systems, Advanced Computer Information Systems, Design, Multimedia, & Web Technologies, Advanced Design, Multimedia, & Web Technologies, Entrepreneurship, Marketing, Advanced Marketing, Medical Systems Administration, Sports Entertainment Marketing		
Career Connections	Career Connections			
Virginia Teachers for Tomorrow I	Followed by	Virginia Teachers for Tomorrow II		
English	English			
Forensics Speech	Followed by	Debate		

English Learners					
English as a Second Language I	Followed by	English as a Second Language II, English as a Second Language III			
Fine Arts	•				
Art Foundations	Followed by	Drawing and Painting I, Drawing and Painting II, Sculpture I, Sculpture II, AP Studio 2-D, AP Studio 3-D, AP Studio Art: Drawing			
Treble Ensemble	Followed by	Advanced Treble Ensemble			
Concert Choir	Followed by	Chamber Choir			
Handley Singers	Followed by	Concert Choir, Advanced Treble, Chamber Choir			
Beginning Guitar	Followed by	Intermediate Guitar			
Theatre I	Followed by	Theatre II, Theatre III, Theatre IV			
Kinesiology and Health					
Advanced Kinesiology Team Sports I	Followed by	Advanced Kinesiology Team Sports II			
Advanced Kinesiology Weight Training I	Followed by	Advanced Kinesiology Weight Training II			
Marketing	Marketing				
Marketing	Followed by	Entrepreneurship, Advanced Marketing, Principles of Business & Marketing, Sports Entertainment Marketing			
Principles of Business & Marketing	Followed by	Accounting, Advanced Accounting, Computer Information Systems, Advanced Computer Information Systems, Design, Multimedia, & Web Technologies, Advanced Design, Multimedia, & Web Technologies, Entrepreneurship, Marketing, Advanced Marketing, Medical Systems Administration, Sports Entertainment Marketing			
Social Studies					
Introduction to Psychology	Followed by	AP Psychology (Virtual Virginia)			
Technology/Trade and Indu	ustrial Educatio	n			
Industrial Maintenance I	Followed by	Industrial Maintenance II			
Imaging Technology	Followed by	Video and Media Technology			
World Languages (only courses not needed for graduation can count as a sequential elective) Sequential electives for the Advanced Studies Diploma using World Languages may only be counted as such, after the graduation requirement for World Language has been met (ex. Levels AP)					
French I	Followed by	French II			
German I	Followed by	German II			
Latin I	Followed by	Latin II			

Spanish I	Followed by	Spanish II		
French IV	Followed by	AP French Language and Culture		
German IV	Followed by	AP German Language and Culture		
Spanish IV	Followed by	AP Spanish Language and Culture, AP Spanish Literature and Culture		
Advanced Technologies Aca	demy			
Cybersecurity Fundamentals	Followed by	Cybersecurity Technology I, Advanced Cybersecurity Technology II		
Advanced Technologies Aca	demy continue	d		
Cybersecurity Technology I	Followed by	Advanced Cybersecurity Technology II		
Electronic Systems I	Followed by	Electronic Systems II		
Professional Skills Academy				
Carpentry I	Followed by	Carpentry II		
Welding I	Followed by	Welding II		
Technical Drawing and Design	Followed by	Architectural Drawing and Design		
Electricity I	Followed by	Electricity II		
Health Sciences Academy				
Emergency Medical Technician (EMT) I	Followed by	Emergency Medical Technician (EMT) II		
Introduction to Health and Medical Sciences	Followed by	Medical Systems Administration, Medical Laboratory I, Nurse Aide I, Physical/Occupational Therapy I		
Firefighting I	Followed by	Firefighting II		
Medical Laboratory Technology I	Followed by	Medical Laboratory Technology II		
Nurse Aide I	Followed by	Nurse Aide II, Patient Care Technician		
Physical / Occupational Therapy I	Followed by	Physical / Occupational Therapy II		

For all students, a fine arts or career and technical education (CTE) course may be used to partially satisfy the sequential elective requirement (i.e. may be used as one of the two required sequential electives) while also being used as one of the courses to meet the Fine Arts/CTE requirement for the Advanced Studies diploma or the World Language/Fine Arts/CTE requirement for the Standard diploma. This reincorporates CTE courses as an option for partial satisfaction.

Winchester Public Schools



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