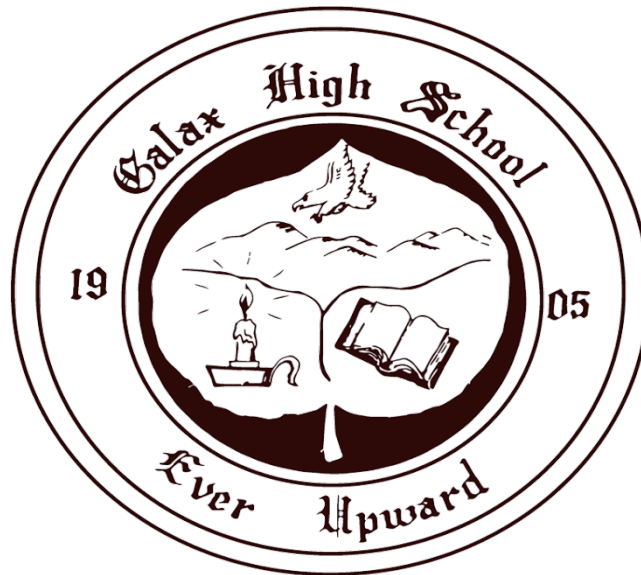


**Galax High School**

# **Program of Study**

**2023-2024**



Dear Parents and Students:

The faculty and staff look forward to working together to provide our students with an educational foundation which will open doors in their future. Galax High School is committed to assisting our students and their families in preparing for the future by providing skills which are necessary for success in the 21<sup>st</sup> century.

The Galax High School Program of Study is an important guide which will assist parents and students with course selection and will serve as a guide to help determine which pathway is most in alignment with their future goals. In the program of study you will find course descriptions, graduation requirements and academic policies. The GHS School Counseling Department is available to assist students with making informed decisions with regard to their course selections and academic pathways.

Academic pathways and course selections is an important part of the academic process and the success of students. We encourage our families to contact your child's School Counselor or Administration to answer any questions that you may have. Thank you for your continued support of Galax City Public Schools. We look forward to providing our students with high quality instructional programs which will exceed their expectations and challenge them as they build a strong educational foundation for the future.

Sincerely,

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### MISSION STATEMENT

The mission of Galax High School is to maximize a student's potential in a safe learning environment. By drawing on the resources of our community we will provide students with enhanced skills, knowledge and character so all students become responsible and productive members of society.

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## **GALAX HIGH SCHOOL PHILOSOPHY, GOALS, AND OBJECTIVES**

The primary purpose of Galax High School is to educate young people so that they may contribute to society as productive citizens of the home, school, and community. Our school strives to develop within every pupil a command of the fundamental process of learning. The school also works toward developing ethical character, physical and mental health, and respect for the property and rights of others.

The school strives to help each student develop talents and identify strengths so that students can make educational, vocational, personal, and social choices which will help lead to a happy and fulfilling life.

Each student should contribute significantly to and benefit from the total school program. Curricula are diversified so that any student can satisfactorily complete a program of training or study in preparation for an accomplished future.

The goal of instruction is to meet the physical, social, and emotional needs of the individual student and to be relevant to the student's environment and interests. It is the teacher's responsibility to motivate learning by creating the proper atmosphere, by leading constructive learning experiences in and out of the classroom, and by evaluating student performance and teacher effectiveness. An attitude of cooperation and mutual respect among teachers, students, administrators, and citizens of the community is to be fostered.

Because co-curricular and extra-curricular activities have intrinsic value, they are considered an integral part of the educational program. These activities provide students the opportunity to develop creative initiative, special interests, leadership, occupational skills, and self-direction. This philosophy allows our school to help each student find a constructive and satisfying role in our democratic society.

The Galax High School faculty and administration is committed to the following goals for 2023-2024:

1. Strengthen an environment of excellence through high expectations, trust, expanded leadership, open communication and innovation.
2. Create more open access and equitable opportunities for all students with regard to CTE options, advanced coursework, Gifted and Advanced Placement assignments, and post-secondary plans.
3. Additionally, student goals are:
  - \***Be Here:** Students are to miss no more than five days during the school year.
  - \***Be Involved:** All students will be a member of two or more clubs, sports and activities.
  - \***Be Successful:** Students are to earn all passing grades and have no discipline referrals to the office during the school year

### **WHAT'S NEW IN 2023-2024**

#### 9 New In Person Classes:

1. Intro to Teaching as a Profession (EDU 200) Dual Enrollment
2. Small Animal Care
3. Digital Applications
4. Recreation Sports
5. Cooperative Education

#### 7 New Virtual Classes

1. American Sign Language I, II, III
2. Computer Science Foundations

3. Computer Science Principles
4. Computer Science Programming with JAVA
5. Computer Science Programming with PYTHON

1 Program Change:

1. Early Career Program

### **REGISTRATION GUIDELINES**

- Step 1:** Students will review the new Program of Studies with School Counselors. Topics will include graduation requirements, academic plans, information regarding various course offerings and other information needed for registration.
- Step 2:** Students, along with family members, will complete a registration form by selecting classes and alternates.
- Step 3:** School Counselors will conduct individual student/parent conferences to ensure required courses are listed, prerequisites met and course selections aligned with individual academic plans and career goals.
- Step 4:** During the last two weeks of school, students will have an opportunity to make changes to their course requests. The final deadline to make changes will be the first Friday in June.
- Step 5:** The master schedule is completed along with student schedules.
- Step 6:** Printed schedules will be available in August at Open House.

**PROGRAMS:** Students may select from a wide range of academic and CTE classes as well as developmental course offerings.

**ACCREDITATION:** Galax City Public Schools are accredited by the Virginia State Department of Education.

**CLASS SCHEDULE:** Galax High School uses a four by four block schedule. All students must sign up for a full schedule of eight classes. Students are required to take classes offered at Galax High School unless a conflict exists that cannot be resolved in the schedule. Prerequisites and grade level requirements are the same for both on and off campus classes.

**SCHEDULE CHANGES:** After initially selecting courses in the spring, students will have an opportunity to make changes to their initial requests at the end of the school year. The final deadline to make changes is the first Friday in June to request a change in course selections. After that deadline, class changes will not be made except for obvious errors. The principal may request a schedule change for a student after the deadline if extenuating circumstances exist.

Withdrawal from dual credit classes will follow Virginia Community College System (VCCS) policy.

**GRADE SCALES:**Galax High School

A (90-100)	Excellent
B (80-89)	Above Average
C (70-79)	Average
D (60-69)	Below Average
F (59-0)	Unsatisfactory (No credit earned)

Wytheville Community College

A (91-100)	Excellent
B (81-90)	Above Average
C (71-80)	Average
D (61-70)	Below Average
F (0-60)	Unsatisfactory

Grayson County High School

A (94-100)	Excellent
B (86-93)	Above Average
C (77-85)	Average
D (76-70)	Below Average
F (69-0)	Unsatisfactory

**STANDARD CREDITS:**

Standard credits are awarded by the school per state and local school board policy. A Standard Diploma requires 22 standard credits from the courses offered through Galax High School. 26 standard credits are required for an Advanced Studies Diploma. One unit of credit is received for any class taken with a final grade of A, B, C, or D. When students below the ninth grade successfully complete courses offered for credit in grades 9-12, credit shall be counted toward meeting the standard units required for graduation provided the courses meet SOL content requirements equivalent in content and academic rigor to courses offered at the secondary level.

**DUAL ENROLLMENT:**

Dual enrollment courses are offered through the Virginia Community College System (VCCS). Grades for the dual enrollment courses will follow the VCCS's grading scale. Galax High School will follow the policies and prerequisites set by the VCCS for students to continue with second semester classes. Six hours of college credit = 1 high school credit per School Board policy. Galax City Public Schools will pay for no more than two dual enrollment courses per year (six hours or eight hours for a course with a lab) in addition to those taught by Galax High School faculty. Payment does not include college courses taken after the regular school day or during the summer. Students will receive a half (.5) credit for each dual enrollment on-line class.

**INDEPENDENT STUDY:**

Students may earn standard credits through independent study. Students unable to schedule eight classes during the regular term may pursue independent study credit through a course of study outside of the school day. Permission from the teacher, principal, and director of student services must be secured before course enrollment. Independent study opportunities may not replace courses available in the Galax High School Master Schedule and must meet the following criteria:

1. Hours of instruction:  
6 college credits = 1 high school credit

140 instructional hours = 1 high school credit

2. Approved curriculum
3. Institutional accreditation and/or teacher endorsement
4. Evaluation of student performance
5. Prior to the issuance of credit, the student must present documentation for verification of the above four items
6. Students are responsible for all expenses of an independent study
7. Southwest Virginia Governor's School students who take an independent study at Galax High School are accountable for completing assignments and meeting deadlines set forth by the GHS teacher. No late work will be accepted
8. The final grade for the independent study will be noted on the high school transcript and calculated into the grade point average.

**GRADE LEVEL CLASSIFICATIONS:**

To be promoted from grade 9 to grade 10, students must have accumulated at least 6 credits.

To be promoted from grade 10 to grade 11, students must have accumulated a total of 12 credits.

To be promoted from grade 11 to grade 12, students must have accumulated a total of 17 credits.

**SUMMER SCHOOL:**

Galax High School offers summer instruction for students enrolled at GHS. Students can enroll in summer school to compensate for failed subjects, take classes they could not otherwise include in their schedule, and for remediation.

In regard to failed classes, students must have a final grade of 50 or higher to take a class as a repeat course and only attend one summer session (two weeks). However, if a student's final grade is below a 50, he/she must attend summer school for four weeks. Grades received in summer school will have standard weight.

**RETAKING A COURSE:**

When a student retakes a course, the better of the two grades received in that course will be used to compute the grade point average. A student receives credit only once. Courses previously passed that are taken for grade improvement do NOT count toward VHSL participation requirements.

**HONOR ROLL:**

To be included on the Honor Roll, students must meet the following criteria:

A Honor Roll – All As                      A/B Honor Roll – No grade lower than a B

Honor Roll eligibility is determined using report cards.

Grade changes must be made within two days of distribution of report cards to be considered in Honor Roll determinations.

**STANDARDS OF LEARNING (SOL)**

The following courses have an End of Course (EOC) Standards of Learning (SOL) assessment:

**REQUIREMENTS:**

English 10 Writing	Chemistry I
English 11 Reading	World Geography
Algebra I	World History & Geography to 1500
Geometry	World History & Geography: 1500-Present
Algebra II	VA & US History
Earth Science	A.P. US History
Biology	College US History

No student will be required (or will be allowed) to take an EOC SOL test in a subject in which he/she has already earned his/her verified credit, unless required for federal accountability purposes.

To earn an Advanced Studies or a Standard high school diploma, students must earn **five** verified credits:

- 2 English – EOC Writing, EOC Reading
- 1 Math
- 1 Science
- 1 History

**VERIFIED CREDITS:**

Galax High School awards verified credits when students:

1. Earn a standard credit in the course
2. Receive a passing score on the corresponding End of Course (EOC) SOL assessment, substitute assessments, or certain professional and industry certifications and licenses.
3. Earn a Local Verified Credit by meeting state and local guidelines.  
[http://www.doe.virginia.gov/instruction/graduation/credit\\_accommodations.shtml](http://www.doe.virginia.gov/instruction/graduation/credit_accommodations.shtml)



# GRADUATION GUIDELINES

## ADVANCED STUDIES DIPLOMA:

DISCIPLINE AREA	STANDARD CREDIT REQUIREMENT	VERIFIED CREDIT REQUIREMENT
English	4	2
Mathematics <sup>1</sup>	4	1
Laboratory Science <sup>2</sup>	4	1
History & Social Science <sup>3</sup>	4	1
World Language <sup>4</sup>	3	
Health & Physical Education	2	
Fine Arts or Career & Tech Education <sup>5</sup>	1	
Economics & Personal Finance	1	
Electives <sup>6</sup>	3	
Student Select Test		
<b>Total</b>	<b>26</b>	<b>5</b>

\*Students must also complete either an Advanced Placement, honors, IB course OR earn a career and technical education credential approved by the board.

\*Students must successfully complete one virtual course.

\*Students must be trained in emergency first aid, CPR and the use of AED, including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation.

\*Student must 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.

<sup>1</sup> 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 SOQ, a computer science course credit earned by students may be considered a mathematics course credit.

<sup>2</sup> 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 or completion of the sequence of science courses required for the International Baccalaureate Diploma and shall include interdisciplinary courses that incorporate Standards of Learning content from multiple academic areas. The board shall approve additional courses to satisfy this requirement. Per the SOQ, a computer science course credit earned by students may be considered a science course credit.

<sup>3</sup> Courses completed to satisfy this requirement shall include U.S. and Virginia History, U.S. and Virginia Government, and two courses in either world history or geography or both. The Board shall approve courses to satisfy this requirement.

<sup>4</sup> Courses to satisfy this requirement shall include three years of one language or two years of two languages.

<sup>5</sup> Per the SOQ, a computer science course credit earned by students may be considered a career and technical credit.

<sup>6</sup> Courses to satisfy this requirement shall include at least two sequential electives as required by the Standards of Quality.

## STANDARD DIPLOMA:

DISCIPLINE AREA	STANDARD CREDIT REQUIREMENT	VERIFIED CREDIT REQUIREMENT
English	4	2
Mathematics <sup>7</sup>	3	1
Laboratory Science <sup>8</sup>	3	1
History & Social Science <sup>9</sup>	3	1
Health & Physical Education	2	
World Language, Fine Arts or CTE <sup>10</sup>	2	
Economics & Personal Finance	1	
Electives <sup>11</sup>	4	
Student Select Test		
<b>Total</b>	<b>22</b>	<b>5</b>

\*Students must also complete either an Advanced Placement, honors, IB course OR earn a career and technical education credential approved by the board.

\*Students must successfully complete one virtual course.

\*Students must be trained in emergency first aid, CPR and the use of AED, including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation.

\*Student must 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.

<sup>7</sup> 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 SOQ, a computer science course credit earned by students may be considered a mathematics course credit.

<sup>8</sup> Courses completed to satisfy this requirement shall include course selections from at least two different science disciplines: earth sciences, biology, chemistry or physics or completion of the sequence of science courses required for the International Baccalaureate Diploma and shall include interdisciplinary courses that incorporate Standards of Learning content from multiple academic areas. The board shall approve courses to satisfy this requirement. Per the SOQ, a computer science course credit earned by students may be considered a science course credit.

<sup>9</sup> Courses completed to satisfy this requirement shall include U.S. and Virginia History, U.S. and Virginia 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.**

<sup>10</sup> Per SOQ, credits earned for this requirement shall include one credit in fine or performing arts or career and technical education. Per the SOQ, a computer science course credit earned by students may be considered a career and technical course credit.

<sup>11</sup> Courses to satisfy this requirement shall include at least two sequential electives as required by the Standards of Quality.

**APPLIED STUDIES  
DIPLOMA:**

In accordance with the Standards of Quality, students with disabilities who complete the requirements of their Individualized Education Program (IEP) and do not meet the requirements for other diplomas shall be awarded an Applied Studies Diploma.

**INDIVIDUAL STUDENT  
ALTERNATIVE  
EDUCATION PROGRAM  
(ISAEP):**

The first goal for every high school aged student should be to complete the requirements for a standard or advanced studies diploma. Although every effort is made to counsel students to remain in the regular high school program through graduation, there are circumstances when this is no longer a viable option. The Individual Student Alternative Education Program (ISAEP) allows the fulfillment of compulsory attendance requirements by any student who is 16 years old and for whom an ISAEP plan is developed in a meeting with the student, the student’s parents, and the principal or designee. In such cases, the Virginia State Board of Education provides students with an opportunity to exit high school with a well-recognized credential and the knowledge and skills necessary for a successful transition to adulthood, an option certainly more desirable than dropping out of school.

Program components must include: 1) Career guidance and counseling; 2) Required Career and Technical education (CTE) opportunities; 3) Enrollment in an Economics & Personal Finance class; and 4) General Education Development (GED) test preparation programs or other alternative education classes provided to help students prepare for the GED tests.

Students in ISAEP may elect to re-enroll in the regular school or other alternative program for any reason prior to completing their plan. School divisions shall have written procedures for re-enrollment.

**CERTIFICATE OF  
PROGRAM  
COMPLETION:**

Available to students who complete prescribed programs of studies defined by a local school board but who do not qualify for diplomas.

**CAREER AND  
TECHNICAL  
COMPLETERS:**

By successfully completing any of the following pathways, students will receive a Career and Technical Completer Certificate. A completer certificate requires the completion of two courses with the exception of Auto, which requires three courses. Students **are not limited** to taking only two courses during their high school career. Galax City Public Schools ensures equal access to all CTE programs; accessibility accommodations will be provided, if needed.

**CTE Completer Pathways**

<b>Class</b>	<b>Pairings</b>
Accounting	Advanced Accounting CIS Advanced CIS Digital Applications Design, Multimedia & Web Technologies Adv. Design, Multimedia & Web Technologies Principles of Business & Marketing Entrepreneurship

Automotive Services	Auto II Auto III
Design, Multimedia & Web Technologies	Accounting Advanced Accounting CIS Advanced CIS Adv. Design, Multimedia, & Web Technologies Digital Applications Principles of Business & Marketing
Digital Applications	Account Advanced Accounting CIS Advanced CIS Design, Multimedia & Web Technologies Adv. Design, Multimedia, & Web Technologies Principles of Business & Marketing
Digital & Social Media Marketing	Principles of Business & Marketing Sports & Entertainment Marketing Entrepreneurship
Entrepreneurship	Accounting CIS Advanced CIS Digital & Social Media Marketing Principles of Business & Marketing Sports & Entertainment Marketing
Intro to Animal Science	Small Animal Care
Outdoor Recreation, Parks & Tourism	Advanced Forestry Management - Dual Enrollment
Principles of Business & Marketing	Accounting Advanced Accounting CIS Advanced CIS Design, Multimedia & Web Technologies Adv. Design, Multimedia, & Web Technologies Digital Applications Sports & Entertainment Marketing Entrepreneurship
Sports & Entertainment Marketing	Digital & Social Media Marketing Principles of Business & Marketing Entrepreneurship
Teachers for Tomorrow	Teachers for Tomorrow II
Building Trades	Building Trades II
Cosmetology	Cosmetology II Cosmetology III
JROTC	JROTC II JROTC III JROTC IV
Nursing	Intro to Health & Medical Records Nurse Aide Practical Nursing

Galax City Public Schools is committed to providing equal access to all facilities located on our campus. Students with limited mobility, including those in wheelchairs, have access to all buildings, classrooms, and campus facilities. When a middle or high school student, who is in a wheelchair or has limited mobility, registers for a class located in the CTE (Career and Technical Education) building, the enrollment staff will notify the school guidance counselor, building level administration, the Director of Special Education, and the Director of Transportation to begin the process of ensuring equal access to all facilities. Once notification of enrollment is received, the team notified will ensure transportation to and from the CTE building is scheduled. When the student must travel to the CTE building, he or she will be transported by bus from the main campus to and from the CTE building, where wheelchair accessible ramps are located and available.

**DIPLOMA SEALS:** **Governor’s Seal:** Awarded to students who 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”.

**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 shall approve all professional licenses and examinations used to satisfy these requirements.

**Board of Education’s Science, Technology, Engineering and Mathematics Seal:** 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
- Successfully complete a 50 hour or more work-based learning opportunity in a STEM area
- 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 CTE Program Area Guide)
- Pass one of the following: (a) a Board of Education CTE STEM-H credential examination or (b) an examination approved by the Board that confers a college-level credit in a STEM field.

**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 and 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 Seal of Biliteracy:** Awarded to students who earn a Board of Education-approved diploma and:

- Pass all required End-of-Course Assessments in English reading and writing at the proficient or higher level
- Demonstrate proficiency at the intermediate-mid level or higher in one or more languages other than English as demonstrated through an assessment from a list approved by the Superintendent of Public Instruction. (American Sign Language qualifies as a language other than English)

**Board of Education’s Seal in Science and the Environment:** Awarded to students who earn Either a Standard Diploma or Advanced Studies Diploma and:

- 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.

**COLLEGE CREDIT COURSES:** Galax High School offers students the opportunity to take college level and Advanced Placement (AP) courses for high school graduation and/or college credit under the following conditions:

- a) Prior written approval from the high school principal
- b) The college must accept the student for admission to the course, and
- c) The course must be given by the college for degree credit, hence no remedial courses will be accepted.

Dual enrollment courses use the grading scale assigned by the Virginia Community College System (VCCS). (Advanced Placement (AP) Virtual Virginia Courses will be graded on a ten point scale as well). Galax City Public Schools will pay for no more than two dual enrollment courses (six hours or eight hours for a course with a lab) in addition to those taught by Galax High faculty.

**Please note:**

If a student chooses to drop a Virtual Virginia/Advanced Placement course before the drop deadline established by Virtual Virginia, there will be no grade repercussion. If a student chooses to drop a Virtual Virginia/Advanced Placement course after the drop deadline established by Virtual Virginia, he/she will receive a W for the course (which will be noted on the high school transcript and counted as an attempted course).

If a student chooses to drop a Wytheville Community College (WCC) dual enrollment course before the drop date for tuition refund, there will be no grade repercussion. If a student chooses to drop a WCC dual enrollment course after the drop date for tuition refund he/she will reimburse the cost of the class to Galax City Public Schools and the student will receive a W

for the course (which will be noted on the high school transcript and counted as an attempted course). **If students fail a WCC course that is paid for by GCPS, the student may be required to reimburse the school system for tuition and textbook costs.**

If a student chooses to drop a Linwood Holton Governor's School (LHGS) dual enrollment course before the drop date for tuition refund, there will be no grade repercussion. If a student chooses to drop a LHGS dual enrollment course after the drop date for tuition refund he/she must reimburse the cost of the class to Galax City Public Schools and the student will receive a W for the course (which will be noted on the high school transcript and counted as an attempted course).

If a student drops a Virtual Virginia/AP course or a WCC dual enrollment course, he/she will be placed in a Galax High School class.

If a student fails any tuition-paid class, administration reserves the right to refuse permission for the student to take additional tuition-paid courses.

Students are encouraged to consider the potential benefits of completing AP and dual enrollment courses and taking the AP examinations which include:

- Many colleges and universities offer college credit for acceptable scores on AP exams and will accept most dual enrollment college transfer credits which can result in tuition savings
- Many colleges give consideration for honors and other special programs to students who have received AP recognition and
- Colleges give additional consideration to applicants who have taken the most challenging courses offered by their high school.

To increase the probability of success in Honors, Dual Enrollment, and AP Courses students should:

- Find out more about each course by talking to the teacher and reviewing the course syllabus and course expectations;
- Consult with the current teacher for advice;
- Have a cumulative grade point average of "B" or above;
- Understand that Honors, Dual Enrollment, and AP courses require commitment;
- Be prepared to analyze and evaluate their own products (writing, research projects as well as works by peers and experts). Be able to comprehend advanced level reading materials and writing from various vantage points in a number of styles and for a variety of purposes;
- Understand that the pace of an advanced course is faster than that of other courses and require additional assignments and;
- Be aware that success in more advanced courses enhances the chances of being accepted by colleges and universities and better prepares the student to do college/university level work.

**EARLY COLLEGE PROGRAM:**

The Early College Program allows seniors who will earn an Advanced Studies Diploma, successfully complete College English in fall semester of the senior year and complete all graduation requirements by the end of the first semester of their twelfth grade year with a cumulative grade point average of 3.0 to attend Wytheville Community College the second semester of their senior year. Students can take up to 13 hours of college credit paid in full by Galax City Public Schools during that Spring semester. This pathway is for students planning to earn a general education associate degree or transfer to a four-year college or university. Students will still be under the GCPS umbrella and be able to participate in GHS athletics, clubs, extracurricular activities and graduation.

**EARLY CAREER PROGRAM:**

The Early Career Program allows seniors who will earn an Standard Diploma, and complete all graduation requirements by the end of the first semester of their twelfth grade Year with a cumulative grade point average of 2.0 to attend Wytheville Community College the Second semester of their senior year. Students can take up to 13 hours of college credit paid in full by Galax City Public Schools during that Spring semester. This pathway is for students planning to pursue a career and technical certification or license. Students will still be under the GCP umbrella and be able to participate in GHS athletics, clubs, extracurricular activities and graduation.

**SENIOR YEAR PLUS:**

The **Early College Scholars Program** allows eligible high school seniors to complete their high school diploma while earning at least 15 hours of transferable credits toward a college degree, providing a challenging senior year and reducing the expense of college tuition for families. Credits are earned in dual-enrollment programs through the Commonwealth College Course Collaborative and by taking Advanced Placement (AP) courses at their home high schools or through the Virginia Virtual AP School while completing the requirements for an Advanced Studies Diploma. Early College Scholars receive a certificate from the Governor recognizing their achievement.

**The Virtual Advanced Placement School** provides a variety of college level and World Language courses, using distance learning technologies. The program was designed to provide educational opportunities to schools that may have too few students to justify hiring a full-time teacher, are unable to find qualified teachers, or for students with scheduling conflicts. AP courses follow the College Board curriculum. World Language courses are open to students in grades seven or higher.

**GRADUATION:**

In order to participate in the graduation ceremony, students must complete ALL graduation requirements by the last day of school and settle all financial obligations.



Dual Enrollment	Advanced Placement (AP)
<p>Through an agreement with Virginia Community college System (VCCS), students may receive college credit while still enrolled at Galax High School. Classes are taught by college accredited staff at Galax High School, WCC online instructors, the Crossroads Institute, the Southwest Virginia Governor’s School (SWVGS), and on-line through the A. Linwood Holton Virtual Governor’s School.</p>	<p>Advanced Placement courses offer students the opportunity to do college-level work while still in high school. Students are required to take the nationally administered exam in May with their score on the test determining whether the college they attend will award college credit. To be high weight classes, students must take the AP assessment. Classes are taught at Galax High School and on-line through the Virtual Advanced Placement School.</p>
<p><b>Classes available:</b>  <b>@ Galax High School-students can earn dual credit in the following courses:</b>  ENG 111/112      ACC 211/212      EDU 200  HIS 121/122      ITE 115/215      BUS 230  Forestry              BUS 201              BUS 100/MKT 100</p> <p><b>@SWVGS</b>  College Computer Science      College Analytic Geometry  College Applied Calculus      College Algebra  College Trigonometry      College Differential Equations  College Engineering Calculus      College Calculus  College Statistics      College Astronomy  College Anatomy &amp; Physiology      College Biology  College Environmental Science      College Forensic Science  College Chemistry      College Physics</p> <p><b>@A. Linwood Holton Governor’s School</b>  Creative Writing      Environmental Science  Advanced Multimedia      Appalachian Studies</p> <p><b>@Crossroads</b>  Welding I &amp; II</p> <p><b>@Grayson County High School</b>  Criminal Justice  Nursing</p> <p>WCC Dual Enrollment online courses listed on page 20.</p>	<p><b>Classes available:</b>  <b>@Galax High School</b>  AP Biology    AP US History    AP Art History</p> <p><b>Virtual Advanced Placement (AP) Courses</b>  AP Art History                      AP Human Geography  AP Biology                              AP Latin  AP Calculus AB                      AP Macroeconomics  AP Calculus BC                      AP Microeconomics  AP Chinese Lang &amp; Culture      AP Physics I  AP Computer Science A              AP Physics II  AP English Lang &amp; Composition    AP Psychology  AP English Lit &amp; Composition      AP Spanish Language  AP Environmental Science          AP Statistics  AP European History                AP US History  AP French Language Culture        AP World History  AP US Government &amp; Politics  AP Comparative Government &amp; Politics  AP Computer Science Principles  AP Economics  AP Music Theory  AP Spanish Literature &amp; Culture</p>
<p><b>Requirements:</b>  Grade Level: 11, 12  Meet course prerequisites  Teacher Recommendation  Appropriate VCCS Placement Test Score</p>	<p><b>Requirements:</b>  Grade Level: 11, 12  Meet course prerequisites  Teacher Recommendation  Enrollment in the Early College Scholars Program</p>
<p><b>Transportation:</b> Provided by Galax City Schools to SWVGS, Grayson County High School and Crossroads Institute.</p>	<p><b>Transportation:</b> None required. All classes are taken at Galax High School</p>
<p><b>Cost to Student:</b> If student fails a WCC course, students may be asked to reimburse GCPS.</p>	<p><b>Cost to Student:</b> None.</p>

**COLLEGE TRANSFER PROGRAMS:**

The college transfer programs at Wytheville Community College allow students at Galax High School to complete first-and second-year courses in arts and sciences and pre-professional courses that transfer to four-year colleges and universities. A number of four-year degree programs are available on the campus of Wytheville Community College, including The New College degree programs which are taught at Crossroads, Old Dominion University, and King College.

Associate of Arts and Sciences Degree Programs are designed with two primary goals In mind:

- 1) To offer the student a widely accepted program of general preparation for upper-division work in a chosen professional field, stressing a balance of required courses common to most baccalaureate degree programs; and
- 2) To offer maximum flexibility so that the student may select specific courses that may be required at the college or university to which transfer is contemplated.

Galax High School students apply for these programs by completing WCC application forms and demonstrating competency in Math and English based on their scores on the Virginia Placement Test (VPL). Guaranteed admission and transfer agreements with four year colleges and universities only apply to students who complete the Associate Degree with the specified GPA. Students at Galax High School will enroll in the Program as juniors and move as a cohort through the required courses. Areas of concentration include General Studies, Liberal Arts, and Sciences. Courses will be taught at Galax High School, the Crossroads institute, and on-line.

Listed below are academic plans for a General Education Certificate, an Associate of Arts and Sciences Degree with a major in General Studies, and an Associate of Arts and Sciences Degree with a major in Science.

**General Education Certificate**

Course	Credits	Term Scheduled	Location	Delivery Method	Faculty Provided By	H.S. Course Name
SDV 100	1	Summer pre 11 <sup>th</sup>	WCC Campus	Online	WCC	College Success Skills
Mathematics	3	Fall 11 <sup>th</sup>	GHS	Hybrid/Online	GHS/WCC	DE Pre-Calculus I
Social Science Elective	3	Fall 11 <sup>th</sup>	GHS	Hybrid	GHS	College US History
Social Science Elective	3	Fall 11 <sup>th</sup>	GHS	Hybrid	GHS	College US History
Social Science Elective	3	Spring 11 <sup>th</sup>	GHS	Online	WCC	DE Prin of Psychology DE Prin of Sociology
ENG 111	3	Fall 12 <sup>th</sup>	GHS	Hybrid	GHS	College English
Communication	3	Fall 12 <sup>th</sup>	GHS	Hybrid	GHS	College English
Lab Science	4	Fall 12 <sup>th</sup>	GHS	Online	WCC	College Chemistry/ College Biology
Humanities	3	Spring 12 <sup>th</sup>	GHS	Online	WCC	Any approved Humanities elective
Humanities	3	Spring 12 <sup>th</sup>	GHS	Online	WCC	Any approved Humanities elective
Lab Science	4	Spring 12 <sup>th</sup>	GHS	Online	WCC	College Chemistry II College Biology II

**TOTAL CREDIT HOURS: 33**

**Associate of Arts and Sciences Degree with a major in General Studies**

<b>Course</b>	<b>Credits</b>	<b>Term Scheduled</b>	<b>Location</b>	<b>Delivery Method</b>	<b>Faculty Provided By</b>	<b>H.S. Course Name</b>
SDV 100	1	Summer pre 11 <sup>th</sup>	WCC Campus	Online	WCC	College Success Skills
ITE 115	3	Summer pre 11 <sup>th</sup>	WCC	Online	WCC	Intro to Computer Applications & Concepts
History	3	Fall 11 <sup>th</sup>	GHS	Hybrid	GHS	College US History
History	3	Fall 11 <sup>th</sup>	GHS	Hybrid	GHS	College US History
Social Science Elective	3	Fall 11 <sup>th</sup>	GHS	Online	WCC	DE Prin of Psychology
Transfer Math	3	Fall 11 <sup>th</sup>	GHS	Hybrid	GHS/WCC	DE Pre-Calculus I
Social Science Elective	3	Spring 11 <sup>th</sup>	GHS	Online	WCC	DE Prin of Sociology
Transfer Math	3	Spring 11 <sup>th</sup>	GHS	Hybrid	GHS/WCC	DE Pre-Calculus II
CST 100	3	Summer pre 12 <sup>th</sup>	WCC	Hybrid	WCC	Prin of Public Speaking
Humanities Elective	3	Summer pre 12 <sup>th</sup>	WCC	Online	WCC	Any approved Humanities elective
HLT/PED Elective	1	Summer pre 12 <sup>th</sup>	WCC	Online	WCC	Any prefixed HLT/PED course
ENG 111	3	Fall 12 <sup>th</sup>	GHS	Hybrid	GHS	College English
ENG 112	3	Fall 12 <sup>th</sup>	GHS	Hybrid	GHS	College English
Social Science Elective	3	Fall 12 <sup>th</sup>	GHS	Online	GHS	Any approved social science elective
Transfer Elective	3	Fall 12 <sup>th</sup>	GHS	Hybrid	GHS/WCC	College Calculus
Lab Science	4	Fall 12 <sup>th</sup>	GHS	Online	WCC	College Chemistry/ College Biology
Literature	3	Spring 12 <sup>th</sup>	GHS	Online	WCC	DE Survey of American Lit or English Lit
Literature	3	Spring 12 <sup>th</sup>	GHS	Online	WCC	DE Survey of American Lit II or English Lit II
Social Science Elective	3	Spring 12 <sup>th</sup>	GHS	Online	WCC	Any approved social science elective
Transfer Elective	3	Spring 12 <sup>th</sup>	GHS	Hybrid	GHS/WCC	College Statistics
Lab Science	4	Spring 12 <sup>th</sup>	GHS	Online	WCC	DE College Chem II DE College Bio II

**TOTAL CREDIT HOURS: 61**

### Associate of Arts and Sciences Degree in Science

Course	Credits	Term Scheduled	Location	Delivery Method	Faculty Provided By	H.S. Course Name
SDV 100	1	Summer pre 11 <sup>th</sup>	WCC	Online	WCC	College Success Skills
ITE 115	3	Summer pre 11 <sup>th</sup>	WCC	Online	WCC	Intro to Computer Applications & Concepts
Lab Science	4	Fall 11 <sup>th</sup>	GHS	Hybrid	WCC	College Biology I
History	3	Fall 11 <sup>th</sup>	GHS	Hybrid	GHS	College US History
Social Science Elective	3	Fall 11 <sup>th</sup>	GHS	Hybrid	GHS	College US History
Transfer Math	3	Fall 11 <sup>th</sup>	GHS	Hybrid	GHS/WCC	DE Pre-Calculus I
Lab Science	4	Spring 11 <sup>th</sup>	GHS	Hybrid	WCC	College Biology II
STEM	3	Spring 11 <sup>th</sup>	GHS	Hybrid	GHS/WCC	DE Pre-Calculus II
CST 100	3	Summer Pre 12 <sup>th</sup>	WCC	Hybrid	WCC	Prin of Public Speaking
Science w/o Lab	3	Summer Pre 12 <sup>th</sup>	WCC	Online	WCC	Human Biology
ENG 111	3	Fall 12 <sup>th</sup>	GHS	Hybrid	GHS	College English
ENG 112	3	Fall 12 <sup>th</sup>	GHS	Hybrid	GHS	College English
Lab Science	4	Fall 12 <sup>th</sup>	GHS	Online	WCC	College Chemistry I
Transfer Math	3	Fall 12 <sup>th</sup>	GHS	Hybrid	GHS/WCC	College Calculus I
Humanities Elective	3	Fall 12 <sup>th</sup>	GHS	Online	WCC	Any transferable Humanities elective
Lab Science	4	Spring 12 <sup>th</sup>	GHS	Online	WCC	College Chemistry II
STEM	3	Spring 12 <sup>th</sup>	GHS	Hybrid	GHS/WCC	College Statistics
Literature	3	Spring 12 <sup>th</sup>	GHS	Online	WCC	DE Survey of American Lit I or II or English Lit I or II
HLT/PED Elective	2	Spring 12 <sup>th</sup>	GHS	Online	WCC	Personal Wellness Concepts
Social Science Elective	3	Spring 12 <sup>th</sup>	GHS	Online	WCC	Prin of Psychology or Prin of Sociology

**TOTAL CREDIT HOURS: 61**

1. Any modification to the above pathway will be outlined in writing and agreed upon by the College and School Division. Any modifications will not prevent students from obtaining the plan's intended credential.
2. In order to participate in the above pathway, a student must meet all dual enrollment admission requirements and College program requirements and complete VCCS placement tests. In order to enroll in any of the courses noted in the pathway, all course pre-requisites must be met.
3. Program information including purpose, occupational objectives, admission requirements, notes, computer competency requirements, and course requirements may be found in the College catalog found at <https://catalog.wcc.vccs.edu/>.

**WEIGHTING OF GRADES:**

Weighting grades encourages learning for the sake of learning. High weight classes are assigned grade points of higher value. The following chart shows the point values assigned to grades earned in high weight courses compared with standard weight for technical and general courses.

GRADES	HIGH	STANDARD
A	5	4
B	4	3
C	3	2
D	2	1
F	0	0

The courses listed below are considered **high weight**:

- Southwest Virginia Governor’s School Courses
- A Linwood Holton Governor’s School Courses
- Virtual Virginia Advanced Placement Courses
- On-line WCC Courses
- The following high school courses:

Honors English 9	Precalculus	Biology II- Anatomy
Honors English 10	Calculus	Physics
Honors English 11	Honors Algebra II	AP Biology
College English 12	Trig/Statistics	AP History
College Pre-Calculus	Honors Earth Science	Honors US Government
College Applied Calculus	Honors Biology	AP Art History
Level III World Language	Chemistry	Practical Nursing
Forestry Management	CIS	Criminal Justice
Prin of Bus Marketing	Adv CIS	Entrepreneurship
Organizational Behavior	International Business Practice Firm	
Intro to Teaching as a Profession		

All other credit courses are considered **standard weight**.

**GRADE POINT AVERAGE**

Students will receive both a weighted and unweighted grade point average(GPA) beginning at the end of 9<sup>th</sup> grade. High School credited classes taken in the 8<sup>th</sup> grade will also be calculated into the weighted and unweighted grade point average. All high weight courses will be calculated into the weighted GPA.

**RANKING:**

Students will be ranked by grade level according to their weighted Grade Point Average (GPA). This and all other student information is confidential and will be kept in Student Services. The parent or guardian of any student may view the permanent record upon request with the assistance of a school counselor

- Final rank is calculated at the end of the end of a student’s senior year using full credit (one Carnegie credit) values for all high credit courses.
- The class valedictorian shall be the student(s) with the highest weighted **GPA**. The salutatorian shall be the student(s) with the second highest **GPA**. The valedictorian and salutatorian must have been enrolled in Galax High School for four (4) consecutive semesters, including their senior year.
- Other remaining students, including transfer students, with a weighted GPA of 3.600 or higher will be named Honor Graduates. The top ten percent of the class will be recognized with a different colored tassel at graduation. In case of ties, all students with identical scores will receive the appropriate honor ranking.

**GALAX HIGH SCHOOL 2023-2024 COURSE OFFERINGS  
SUMMARY**

**ENGLISH:**

English 9  
Honors English 9  
English 10  
Honors English 10  
English 11  
Honors English 11  
English 12  
College English ENG 111/112

**MATH:**

Algebra I  
Honors Algebra II  
Geometry  
Algebra Functions & Data Analysis  
Trigonometry/Statistics  
Pre-Calculus  
Calculus

**SCIENCE:**

Environmental Science  
Biology  
Honors Biology  
Earth Science  
Honors Earth Science  
Biology II-Ecology  
Biology II-Anatomy  
AP Biology  
Chemistry  
Physics  
Meteorology  
Astronomy

**HISTORY:**

World History & Geography to 1500  
World History & Geography from 1500 to Present  
VA and US History  
College US History HIS 121/122  
AP US History  
VA and US Government  
Honors VA and US Government

**Health & Physical Education:**

Health and PE 9  
PE 10/Driver's Education

**ENGLISH for MULTILINGUAL LEARNERS:**

Newcomer English for Multilingual Learners  
English II for Multilingual Learners  
English III for Multilingual Learners

**WORLD LANGUAGES:**

Spanish I, II, III  
Spanish for Native Speakers I, II, III  
French I, II, III (online)  
Latin I, II, III (online)  
Chinese I, II, III (online)  
Arabic I, II, III (online)  
American Sign Language I, II, III (online)

**ELECTIVES:**

Advanced Chorus I, II, III, IV  
AP Art History  
Art I, II, III, IV  
Chorus I, II, III, IV  
Creative Writing  
Forensic Science  
Guitar I, II  
Individual Research In Art  
Theater I, II  
Journalism  
Band I, II, III, IV  
Media Technique 3-D  
Photography I  
Recreation Sports  
SAT Prep  
Shakespear's Comedies  
World Mythology  
Yearbook

**VIRTUAL COURSES:**

African American Studies  
Computer Science Foundations  
Computer Science Principles  
Computer Science Programming w/JAVA  
Computer Science Programming w/PYTHON  
Earth Science II - Oceanography  
Psychology

**ONLINE ECON & PERSONAL FINANCE**

**GALAX HIGH SCHOOL 2023-2024 COURSE OFFERINGS  
SUMMARY**

**CAREER & TECHNICAL EDUCATION COURSES:**

Accounting  
 Advanced Computer Information Systems ITE 115/116  
 Advanced Design Multimedia & Web Technologies I  
 Advanced Design Multimedia & Web Technologies II  
 Advanced Forestry Management  
 Agricultural Fabrication  
 Applied Agricultural Concepts  
 Automotive Service Technology I  
 Automotive Service Technology II  
 Automotive Service Technology III  
 Building Trades I  
 Building Trades II  
 Computer Information Systems  
 Cosmetology I  
 Cosmetology II  
 Cosmetology III  
 Criminal Justice I/II ADJ 100/145  
 Criminal Justice III/IV ADV 107/146  
 Cybersecurity Fundamentals  
 Design Multimedia & Web Technologies  
 Digital Applications  
 Digital & Social Media Marketing  
 Engineering I: Intro to Engineering (PLTW)  
 Engineering II: Principles of Engineering (PLTW)  
 Independent Living  
 International Business Practice Firm BUS 230  
 Intro to Animal Science  
 Leadership/Service Learning  
 Naval JROTC I  
 Naval JROTC II  
 Nursing I  
 Nursing II  
 Practical Nursing I  
 Nutrition & Wellness/Child Development  
 Organizational Behavior BUS 201  
 Outdoor Recreation, Parks & Tourism  
 Principles of Business and Marketing BUS100/MKT 100  
 Small Animal Care  
 Sports & Entertainment Marketing  
 STEM Challenge Competition  
 Virginia Teachers for Tomorrow I/EDU200  
 Virginia Teachers for Tomorrow II  
 Veterinary Science  
 Welding I  
 Welding II  
 Work Based Learning & Entrepreneurship BUS 116 (Internship)

Cooperative Education

**WCC ONLINE DUAL ENROLLMENT COURSES:**

ACC 211 Principles of Accounting I  
 ACC 212 Principles of Accounting II  
 BIO 101 General Biology I  
 BIO 102 General Biology II  
 BIO 141 Human Anatomy & Physiology I  
 CHM 111 Chemistry I  
 CHM 112 Chemistry II  
 ECO 201 Principles of Macroeconomics  
 HIS 101 History of Western Civilization I  
 HIS 102 History of Western Civilization II  
 HUM 100 Survey of the Humanities  
 MTH 161 Pre-calculus I  
 MTH 162 Pre-calculus II  
 MTH 245 Statistics  
 MTH 261 Applied Calculus I  
 MTH 262 Applied Calculus II  
 MTH 263 Calculus I  
 MTH 264 Calculus II  
 PHI 101 Introduction to Philosophy  
 PHI 220 Ethics  
 PHY 201 General College Physics  
 PLS 211 US Government I  
 PLS 212 US Government II  
 PSY 200 Principles of Psychology  
 PSY 215 Abnormal Psychology  
 PSY 230 Developmental Psychology  
 SOC 200 Principles of Sociology

**ALL COURSE OFFERINGS ARE DEPENDENT UPON TEACHER AVAILABILITY, STUDENT INTEREST AND FINANCIAL RESOURCES.**

**AGRICULTURAL EDUCATION  
(A Career Cluster Program)**

**Applied Agricultural Concepts**

Grade Level: 9,10,11,12

Prerequisite: None

Standard Weight

Students who have limited or no agricultural background or experience learn fundamental agricultural competencies needed for rural or urban living. Areas of instruction include meat grading and selection; maintenance of home appliances and equipment; and the study of plumbing, electrical wiring, and carpentry fundamentals. Teachers may incorporate additional competencies in the study of soil fertility and in cultural practices for shrubs, lawns, gardens, and fruit trees. The course emphasizes leadership development activities and participation in FFA activities. Students will take the Workplace Readiness Skills for the Commonwealth Exam.

**Introduction to Animal Systems**

Grade Level: 9,10,11,12

Prerequisite: None

Standard Weight

Students develop competencies in each of the major areas of the Animal Systems career pathway including animal nutrition, reproduction, breeding, care, and management. Students learn agricultural mechanics applicable to animal systems. Students will be exposed to principles of leadership within student organizations and Supervised Agricultural Experience opportunities.

**Small Animal Care**

Grade Level: 9,10,11,12

Prerequisite: None

Standard Weight

Students learn how to care for and manage small animals, focusing on the connection between humans and animals, animal behavior health, nutrition, management, and reproduction. Opportunities to handle live animals may occur. Course content also includes instruction on the tools, equipment, and facilities used in the small animal care industry. 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.

**Outdoor Recreation, Parks and Tourism Systems Management**

Grade Level: 9,10,11,12

Prerequisite: "C" in Applied Agricultural Concepts

Standard Weight

This course will offer instruction in the development and management of recreational areas and parks and the economic and environmental impact of tourism. Instruction in this course will also strengthen career skills relative to the outdoor parks, recreation and tourism industries. Students will take the Workplace Readiness Skills for the Commonwealth Exam.

**Agriculture Fabrication and Emerging Technologies**

Grade Level: 9,10,11,12

Prerequisite: Applied Agricultural Concepts

Standard Weight



Students will receive instruction in metal fabrication, including cutting, welding, and cold metalworking processes for agricultural applications. The course will also include the investigation of emerging technologies used within the field of agriculture. Leadership and career skills will be incorporated throughout.

### **Veterinary Science**

Grade Level: 10,11,12

Prerequisite: Introduction to Animal Systems

Standard Weight

Veterinary Science enables students to acquire the employability and technical knowledge and skills needed to succeed in postsecondary education as well as in a career in veterinary medicine or a related occupation. Course content integrates application of academic development of career competencies, and instruction in course-specific knowledge and skills, such as the use of tools, equipment, and facilities related to veterinary medicine. Business management, leadership, and FFA activities are included in the course. Students enrolled in the course should have a strong background in math and science and should be familiar with small animal care.

### **Dual Credit Advanced Forestry Management**

Grade Level: 11,12

Prerequisite: Outdoor Recreation, Parks and Tourism Systems Management

High Weight

This course is designed to strengthen students' knowledge in forest ecology, map interpretation, best management practices, and the marketing of forest products. Students will also investigate strategies to protect and preserve forestland including pest and disease identification and management as well as advantages and disadvantages of prescribed burning and forest fires.

### **Leadership/Service Learning**

Grade Level: 11,12

Prerequisite: 3.0 GPA

Standard Weight

Teacher Recommendation

**Leadership** allows students to develop competencies in identifying individual aptitudes in relation to effective leadership skills, understanding organizational behavior, using effective communication in the workplace, handling human resources and organizational problems, supervising and training employees, resolving conflict and planning for the future. Continuing education in leadership is emphasized as well as practical leadership service experiences in cooperation with the school and community leaders.

**Service Learning** combines academic studies in the classroom with volunteer work in the community. Students will work together to complete various service assignments, documenting their experiences along the way. Students will learn about the problems affecting the world today, including poverty and hunger, and discuss ways to combat those issues.

## **ART**

### **Art I – Art Foundations**

Grade Level: 9,10,11,12

Prerequisite: None

Standard Weight

Art I is an introduction to the basic principles of art, stressing understanding and personal development in the foundations of art. The course may include study/project work in several different types of art: fundamentals of drawing and sketching, color study, graphic design, art history/appreciation, art vocabulary, two dimensional design and related projects. **This is a demanding class**, where students are required to work independently and be responsible for the completion of their own course work. Projects assigned may vary from year to year.

## **Art II –Intermediate Art**

Prerequisite: “C” in Art I

Grade Level: 9,10,11,12  
Standard Weight

Students will continue to develop and refine skills earned in Art I through a wide variety of art experiences. Due to the level of art experience of the student, student work will be on a more defined and **rigorous level of difficulty** including art history and vocabulary than that required during Art I. Projects may vary from year to year.

## **Art III, IV & V - Advanced Art**

Prerequisite: “B” in Art II  
Teacher Recommendation

Grade Level: 10,11,12  
Standard Weight

Advanced Art students are required to work independently in many phases of art using the skills learned in Art I and Art II. The teacher and student will establish an appropriate schedule of required projects to be completed each grading period. Area of greatest strength or interest may be studied in depth through independent studies by each student.

## **Photography I**

Prerequisite: Art I

Grade Level: 10,11,12  
Standard Weight

Students will explore black and white film photography through theory, practice, history of photography, discussion and critique sessions. Each student will take photographs using film cameras only. (There will be no digital photography taught in this class.) Students will develop their own film and burn their own prints in a darkroom setting using traditional techniques. Each student will also learn techniques to better their photographic skills equally at the camera and in the darkroom. This class is for students motivated to learn about the mechanics of traditional photography. Assignments will be made and may vary from year to year.

## **Media Techniques 3-D**

Prerequisite: Art I

Grade Level: 10,11,12  
Standard Weight

Other than for the purpose of planning and design, students will use only Three-Dimensional materials in this class moving away from the processes of Two-Dimensional work. In this class topics may include but not be limited to: students creating hand-built class vessels, carving plaster sculptures, creating plaster maquettes, creating additive paper sculptures, weaving on hand looms, making molds and casting objects, creating small objet d’art, etc. All work produced will be by hand. Nothing will be designed on a computer program or produced through a computer guided machine.

## **Individual Research in Art**

Prerequisite: Successfully completed Art III with a “B” average  
Teacher Recommendation

Grade Level: 11,12  
Standard Weight

Individual Research in Art allows students who have already taken Advanced Art classes and show an interest in creating their own unique work to take a class where they make decisions about subject, media used, etc. Students must have projects approved by the art teacher prior to beginning work, and must complete a minimum of four separate pieces of art per quarter.

## **AP History of Art**

Prerequisite: “B” in Art III  
Teacher Recommendation

Grade Level: 11,12  
High Weight

Completion of World History I & World History II/World Geography with a “B” average

Designed to parallel college-level Art History courses, AP History of Art courses provide the opportunity for students to critically examine architecture, sculpture, painting, and other art forms within their historical and cultural contexts. In covering the art of several centuries (not necessarily in chronological order), students learn to identify different styles, techniques, and influences and to formulate and articulate their reactions to various kinds of artwork.

## **AUTOMOTIVE SERVICE TECHNOLOGY ASE (A Career Cluster Program)**

### **Auto Service Technology I (1 period)**

Prerequisite: None  
Tech Prep Sequence

Grade Level: 10,11,12  
Standard Weight

In this course, students explore, handle, and perform basic functions in engine repair, automatic transmission and transaxle, manual drivetrain and axles, suspension and steering systems, and brakes. Students who successfully complete the Automotive Technology Program may be eligible to take the Automotive Service Excellence (ASE) Student Certification examination. The ASE Student Certification is the first step in building a career as a service professional in the automotive industry. Students are encouraged to participate in the student organization Skills USA. Students will prepare for the ASE and take the Workplace Readiness Skills for the Commonwealth Exam.

### **Auto Service Technology II (2 periods)**

Prerequisite: At least a C average in Automotive Service Technology I  
Teacher Recommendation

Grade Level: 11,12  
Standard Weight

Tech Prep Sequence

In this course, students build upon their basic knowledge of automotive technology, exploring more advanced tasks in engine repair, automatic transmission and transaxle, manual drive train and axles, suspensions and steering systems, and brakes. They also learn about electrical electronic, and HVAC systems in automobiles. Upon successful completion of the course, students may be eligible to take the Automotive Service Excellence (ASE) Student Certification Examination. Students are encouraged to participate in the student organization Skills USA. Students will prepare for the ASE and take the Workplace Readiness Skills for the Commonwealth Exam.

### **Auto Service Technology III (2 periods)**

Prerequisite: At least a C average in Auto Service Technology II  
Teacher Recommendation

Grade Level: 12  
Standard Weight

This course prepares students to perform automotive diagnosis and repairs in the following areas: engine repair, cooling systems, transmissions and transaxle, manual drive trains and axles, suspension and steering, wheel and tire, brakes electrical/electronic systems, HVAC, and engine performance. Students are provided with more advanced instruction in all systems as they prepare for the Automotive Service Excellence (ASE) certification examinations. The Automotive Technology program provides the fundamental skills necessary to succeed in an ever-changing and challenging industry as an automotive technician. Students take the ASE Entry-Level Certification test.

## BUILDING TRADES

The following courses will be taught at Grayson County High School

### **Building Trades I**

Prerequisite: Appropriate math and science  
Must be age 16 before the first day of class

Grade Level: 11,12  
Standard Weight

Building Trades I is a three –credit course, which is taught one block first semester and two blocks second semester. Students develop job interest skills in carpentry, blueprint reading, cabinet making, materials estimating, plumbing, masonry and residential wiring. Safety practices are emphasized at all times. Safety glasses are required.

### **Building Trades II**

Prerequisite: Building Trades I

Grade Level: 11,12  
Standard Weight

Building Trades II is a three-credit course, which is taught two blocks firsts semester and one block second semester. Students continue their job entry skill development by constructing storage sheds and single-family dwellings that require carpentry, cabinet making, plumbing, masonry and electrical siring. Safety practices are emphasized at all times. A completer’s certificate is awarded upon the completion of Building Trades I & II. Safety glasses are required. Students will test under the National Center for Construction Education and Research for Industry credentials in Carpentry.

## BUSINESS

### **Online Economics and Personal Finance**

Prerequisite: None

Grade Level: 10,11,12  
Standard Weight

**This course is a graduation requirement for all students.** Students learn how to navigate the financial decisions they must face and to make informed decisions related to career exploration, budgeting, banking, credit insurance, spending, taxes, saving, investing, buying/leasing a vehicle, and living independently. Students will develop financial literacy skills and an understanding of economic principles will provide the basis for responsible citizenship and career success. Each student will take the WISE Financial Literacy Certification Test. If a grade of 70 or above is received on the test, the student will receive the WISE Financial Literacy Certification. Students will also take the Workplace Readiness Skills for the Commonwealth Exam.

### **Accounting**

Prerequisite: None

Grade Level: 10,11,12  
Standard Weight

Accounting students study the basic principles, concepts, and practices of the accounting cycle for a service business and a merchandising business. Topics covered include analyzing transactions, journalizing the posting entries, preparing payroll records and financial statements, and managing cash control systems. Business ethics and professional conduct are emphasized. Reinforcement activities and business simulations strengthen learning of the accounting cycle.

### **Dual Credit Advanced Accounting ACC 211/212**

Prerequisite: “B” average in Accounting  
Teacher Recommendation  
Successful completion of the VCCS Placement Test

Grade Level: 11,12  
High Weight

Advanced Accounting is a one-year, single period course designed to utilize microcomputers to automate, analyze, and interpret business applications including payroll, inventory, accounts payable, and accounts receivable. Management of financial records through various business activities, partnership and corporate accounting, general ledger, and cost accounting are also included.

**ACC 211/213** Principles of Accounting I presents accounting principles and their application to various businesses which covers the accounting cycle, income determination, and financial reporting. A laboratory co-requisite (ACC 213) is required.

**ACC 212/214** Principles of Accounting II continues Accounting Principles 211 with emphasis on the application of partnerships, corporations and the study of financial analysis which includes an introduction to cost and managerial accounting. A laboratory co-requisite (ACC 214 is required)  
Students will earn eight non-transferable VCCS college credits upon completion of this course.

Students will take the Workplace Readiness Skills for the Commonwealth Exam

**Digital Applications**

Prerequisite: None

Grade Level: 9,10,11,12  
Standard Weight

Students will look at basic computer operations such as keyboards, word processing, spreadsheets, multimedia presentations, databases and career exploration. Students will be given project-based assignments to apply their computer skills in everyday life. Students will take the Workplace Readiness certification.

**Computer Information Systems (ITE 152)**

Prerequisite: None

Grade Level: 10,11,12  
High Weight

Students will develop an understanding of digital information literacy. Introduces basic computer concepts in hardware, software, cyber, cloud, database, and operating systems. Includes hands-on experience developing word processing, spreadsheet, and presentation documents. Evaluates the reliability of sources. Covers creating a simple web page. Examines topics such as social, legal and ethical issues. Students will receive three hours of college credit. Students will take the Workplace Readiness Skills for the Commonwealth Exam and the Microsoft Office Specialist Certification test.

**Advanced Computer Information Systems ITE 215**

Prerequisite: Keyboard skills; C or higher in Computer Information Systems

Grade Level: 10,11,12  
High Weight

This dual enrollment course covers computer concepts and internet skills, and uses a software suite which includes word processing, spreadsheet, database, and presentation software to demonstrate skills. Students will receive three hours of college credit. Students will take the Workplace Readiness Skills for the Commonwealth Exam and the Microsoft Office Specialist Certification test.

**Principles of Business and Marketing BUS 100/MKT 100**

Prerequisite: None

Grade Level: 10,11,12  
High Weight

Introduction to Business/BUS 100: This is a dual enrollment course that presents a broad introduction to the functioning of business enterprise within the U.S. economic framework. BUS 100 introduces economic systems, essential elements of business organization, production, human resource management, market, finance, and risk management. Business vocabulary is also developed. Students will receive 3 college credit hours upon completion of the course.

Principles of Marketing/MKT 100: This is a dual enrollment course that presents principles, methods, and problems involved in marketing to consumers and organizational buyers. The course discusses problems and policies connected

with distribution and sale of products, pricing, promotion, and buyer motivation. MKT 100 examines variations of marketing research, legal, social, ethical, e-commerce, and international considerations in marketing. Students will receive 3 college credit hours upon completion of the course.

Students will take the Workplace Readiness Skills for the Commonwealth Exam

**Sports and Entertainment Marketing**

Grade Level: 10, 11, 12

Prerequisite: None

Standard Weight

This course helps students develop a thorough understanding of fundamental marketing concepts and theories as they relate to the sports and entertainment industries. Students will investigate the components of customer service skills, branding, product development, pricing and distribution strategies, business structures, sales processes, social media, sponsorships and endorsements, as well as promotion plans needed for sports and entertainment events. This course also supports career development skills and explores career options. Students will participate all semester in real-life marketing and promotional activities with Maroon Tide Sports. Students will take the Workplace Readiness Skills for the Commonwealth Exam

**Digital and Social Media Marketing**

Grade Level: 10, 11, 12

Prerequisite: None

Standard Weight

This course introduces students to digital and social media marketing. Students explore principles, strategies, tools, and tactics related to consumers, branding, advertising and promotions. Students explore how success is measured in a digital and social media marketing campaigns. This course emphasizes ethics, laws, and security. Students also investigate business and marketing plans, as well as careers in digital and social media marketing. Students will take the Workplace Readiness Skills for the Commonwealth Exam.

**Design, Multimedia, and Web Technologies**

Grade Level: 10,11,12

Prerequisite: None

Standard Weight

Students develop proficiency in designing and creating desktop-published projects, multimedia presentations/projects, and Web sites, using industry-standard application software. Students apply principles of layout and design in completing projects. Students create portfolios that include a variety of desktop-published, multimedia, and Web-site projects produced in the course. Students will gain experience using Adobe Creative Cloud, such as Photoshop, Premier Pro, Illustrator, and Dreamweaver. Students will take the Workplace Readiness Skills for the Commonwealth Exam and the Adobe Certified Associate (ACA) Exam.

**Advanced Design, Multimedia and Web Technologies: Part I**

Grade Level: 10, 11,12

Prerequisite: C in Design, Multimedia and Web Technologies

Standard Weight

Students develop advanced skills for creating desktop-published, interactive multimedia, and Web-site projects. Students work with sophisticated hardware and software, applying skills to real-world projects. Students will have the opportunity to receive the Adobe Certified Associate certification. Students will take the Workplace Readiness Skills for the Commonwealth Exam and the Adobe Certified Associate (ACA) Exam.

**Advanced Design, Multimedia and Web Technologies: Part II**

Grade Level: 11, 12

Prerequisite: Design, Multimedia and Web Technologies

Standard Weight

Advanced Design, Multimedia and Web Technologies: Part I

Students who have completed Advanced Design, Multimedia and Web Technologies: Part I will continue to expand their skills with the Adobe Creative Cloud Suite. Students will also remain a part of the GHS Design Team to help create many community projects and planning/implementing the end-of-year and senior videos.

**Cybersecurity Fundamentals**

Grade Level: 9, 10, 11, 12  
Standard Weight

Prerequisite: None

Students will be introduced to the principles of cybersecurity, explore emerging technologies, examine threats and protective measures, and investigate the diverse high-skill, high-wage and high-demand career opportunities in the field of cybersecurity. Exciting opportunities will be presented to use interactive current resources in the study of cybersecurity such as Virginia Cyber Range, Virginia Space Grant Consortium and Cyber.Org.

**Cybersecurity (Project Lead the Way)**

Grade Level: 10,11,12  
Standard Weight

Prerequisite: None

Cybersecurity affects every individual, organization and nation. This course focuses on the evolving and all pervasive technological environment with an emphasis on securing personal organizational and national information.

**Work-based Learning and Entrepreneurship (BUS 116)**

Grade Level: 11,12  
Standard Weight

Prerequisite: Application & Teacher Approval

Work-based learning is a school-coordinated, coherent sequence of workplace experiences that are related to students' career goals and/or interests, are based on instructional preparation, and are performed in partnership with local businesses, industries, or other organizations in the community. WBL enables students to apply classroom instruction in a real-world business or service-oriented work environment.

Entrepreneurship (BUS 116) presents the various steps considered necessary when going into business. Includes areas such as product-service analysis, market research evaluation, setting up books, ways to finance startup, operations of the business, development of business plans, buyouts versus starting from scratch and franchising. Uses problems and cases to demonstrate implementation of these techniques. Students will receive three hours of college credit.

Students will take the Workplace Readiness Skills for the Commonwealth Exam.

**Organizational Behavior (BUS 201)/International Business Practice Firm (BUS 230)**

Grade Level: 11, 12  
High Weight

Prerequisite: None

Organizational Behavior (BUS 201): Presents a behaviorally oriented course combining the functions of management with the psychology of leading and managing people. Focuses on the effective use of human resources through understanding human motivation and behavior patterns, conflict, management and resolution, group functioning and process, the psychology of decision-making, and the importance of recognizing and managing change. Students will receive three hours of college credit.

International Business Practice Firm (BUS 230): Uses an international business model that prepares students to work as team members in a simulated business firm operating in a virtual economy. Provides tools for students to perform various business functions as their firm transacts business with other students operating business practice firms throughout Europe, Canada, Mexico, and the United States. Involves students in decision making, critical thinking, and team activities. Students will receive three hours of college credit.

**Cooperative Education**

Prerequisite: Must be employed

Grade Level: 12

Standard Weight

This course in conjunction with the CTE Department combines career and technical classroom instruction with paid employment directly related to the classroom instruction. Both student instruction and employment are planned and supervised by the school and the employer so that each contributes to the student’s career objectives and employability.

**Virginia Teachers for Tomorrow I/EDU 200**

Prerequisite: 3.0 GPA  
Teacher Recommendation

Grade Level: 10, 11,12

High Weight

The Teachers for Tomorrow course introduces students to a career in teaching and education. The primary elements of the curriculum components are the learner, the school, the teacher, and teaching. The components are intentionally broad in scope and provide a great deal of flexibility based on the career interest of the student. In addition to the fundamental curriculum components, all students are required to participate in an internship outside the Teachers for Tomorrow classroom.

EDU 200: Introduction to Teaching as a Profession: Provides an orientation to the teaching profession in Virginia, including historical perspectives, current issues, and future trends in education on the national and state levels. Emphasizes information about teacher licensure examinations, steps to certification, teacher preparation and induction programs, and attention to critical shortage areas in Virginia, Includes supervised field placement in a K-12 school. Students will receive three college credit hours from Wytheville Community College.

**Virginia Teachers for Tomorrow II**

Prerequisite: Virginia Teachers for Tomorrow I

Grade Level: 12

Standard Weight

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 research postsecondary options, learn about the process of teacher certification in Virginia, and participate in a practicum experience. Students will take the Workplace Readiness Skills for the Commonwealth Exam and the Praxis I.

**Publication/Yearbook**

Prerequisite: Application & Approval of Instructor

Grade Level: 10,11,12

Standard Weight

Photojournalism is an elective class. Students taking this class plan, design, and produce the school yearbook. Topics covered include journalistic writing, graphic design, fundamentals of yearbook layout design, and photography. Some after school and weekend work is necessary. This class is limited to ten (10) students. Students must apply for a position on the staff. Applications include teacher recommendations, attendance and discipline records, grades and a sample of student writing.



## **COSMETOLOGY**

**The following courses will be taught at Grayson County High School**

### **Cosmetology I**

Prerequisite: Good attendance record

Grade Level: 11  
Standard Weight

Cosmetology is the study of hair, skin, nails and their related care. Students study and prepare in a clinical lab setting, using mannequins and live models for manipulative skill practice. The program emphasizes safety and sanitation, communication, and management skills. Related areas of study include psychology, ethics, and presentation of a professional image. Competency completions prepare the student for the Virginia state licensing exam. One block both semesters.

### **Cosmetology II**

Prerequisite: Successful completion of Cosmetology I

Grade Level: 12  
Standard Weight

In this course, students expand on knowledge and skills which are required for licensure. Emphasis is placed on advanced technique, with increased speed and perfection. Most of the lab work is performed on patrons from the school and community. This allows students to gain the skills needed to ensure a smooth transition from school into industry. Two blocks first semester.

### **Cosmetology III**

Prerequisite: Successful completion of Cosmetology I and II

Grade Level: 12  
Standard Weight

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

All three levels must be completed before the student is eligible to take the Virginia State Licensing Exam.

## **CRIMINAL JUSTICE**

**The following courses will be taught at Grayson County High School**

### **Criminal Justice I ADJ 100**

Prerequisite: None

Grade Level: 11,12  
High Weight

Students are introduced to the legal foundations and processes, and the principals, techniques, and practices for exploring careers within the criminal justice system. This is a weighted course and carries 3 college credits through Wytheville Community College.

**Criminal Justice II ADJ 145 Criminology**

Prerequisite: Criminal Justice I

Grade Level: 11,12

High Weight

Students will study and evaluate the relationships and interactions between correctional organizations and free society. The course focuses on the shared responsibility of the community and correction agencies to develop effective programs for management and treatment of criminal offenders. This is a weighted course and carries 3 college credits through Wytheville Community College.

**Criminal Justice III ADJ 201 Criminology**

Prerequisite: Criminal Justice I and II

Grade Level: 11,12

High Weight

Students will study current and historical data pertaining to criminal and other deviant behavior. Examines theories that explain crime and criminal behavior in human society. This is a weighted course and carries 3 college credits through Wytheville Community College.

**Criminal Justice IV ADJ 146 Adult Correctional Institutions**

Prerequisite: Criminal Justice I, II, and III

Grade Level: 11,12

High Weight

This course describes the structures, function and goals of state and federal correctional institutions (prison farms, community-based units, etc) for adult inmates. This is a weighted course and carries 3 college credits through Wytheville Community College.

**ENGLISH****English 9**

Prerequisites: Pass English 8 Reading &amp; English 8 Writing

Final combined average of English 8 Reading &amp; English 8 Writing must be passing for the year.

Grade Level: 9

Standard Weight

English 9 involves a study of grammar, composition, and literature. Grammar includes studies of parts of speech, parts of the sentence, mechanics, sentence structure, and usage. Speaking, listening, and vocabulary are also emphasized. Composition covers formal essays, summaries, and reports. Literature units are taught on non-fiction selections, short stories, poetry, novels and drama selections. Students are introduced to different types of literature (biography, epic, novel, etc.) and to literary terms (alliteration, satire, irony, etc.). Research is introduced in English 9.

**Honors English 9**

Prerequisites: Teacher Recommendation

"B" Honors English 8 or "A" in English 8

Pass the 8<sup>th</sup> grade Reading and Writing SOL

Grade Level: 9

High Weight

Honors English 9 includes all material covered in English 9. However, the Honors course is more intensive with additional requirements and more rigorous expectations in both reading and writing. Honor students also complete one research project per nine weeks.

**The English Department of Galax High School requires that students who sign up for honors level English courses read teacher selected books during the summer.** This is an advanced class in which the students are asked to study challenging issues and materials. It is the responsibility of the student to acquire the reading material and study guide prior to leaving school for the summer.

The reading material must be read by the first day of English class. Students will be assessed on the summer reading. Student scores on the test or project will weigh heavily on the first nine weeks grading period. Requests for alternate reading material must be filed with the principal by July 1.

### **English 10**

Prerequisite: Pass English 9

Grade Level: 10  
Standard Weight

English 10 provides a transitional period between the extensive study of the technical aspects of grammar and their practical application in composition. The rudimentary elements of grammar, including basic parts of speech, phrases, clauses and usage, are thoroughly reviewed. The mastering of these skills leads logically into composition. Composition begins with a working knowledge of various sentence structures, followed by the writing of paragraphs and essays, and culminates in the writing of an argumentative essay with source documentation. Editing for correct use of language, sentence formation, punctuation, capitalization, and spelling are part of the writing process.

The areas covered in literature include selected short stories, poems, plays, informational materials and novellas. Students learn the specific characteristics of each genre and practice identifying main and supporting ideas, drawing references, and connecting prior knowledge to support reading comprehension. Emphasis is placed on writing which complements major works included in the literature text. Vocabulary and spelling are also emphasized and incorporated as part of composition.

**The administration of the EOC English Writing SOL will occur at the conclusion of English 10.**

### **Honors English 10**

Prerequisite: Teacher Recommendation

“A” in English 9 or “B” in Honors English 9

Grade Level: 10  
High Weight

Honors English 10 includes all material covered in English 10. However, the Honors course is more intensive with additional requirements in composition, parallel reading, creative writing, and speech.

**The English Department of Galax High School requires that students who are enrolled in Honors English classes must read selected books during the summer.** This is an advanced Class in which the students are asked to study challenging issues and materials. It is the responsibility of the student to acquire the reading material and study guide prior to leaving school for the summer.

The reading material must be read by the first day of English class. Students will be assessed on the summer reading. Student scores on the test or project will weigh heavily on the first nine weeks grading period. Requests for alternate reading material must be filed with the principal by July 1.

### **English 11**

Prerequisite: Pass English 10

Grade Level: 11  
Standard Weight

English 11 focuses on the history of America through poetry and prose. Students will read selections in fiction and Nonfiction that illustrate the impact of the historical American literary movements: colonialism/Puritanism, Revolutionary Movement/Rationalism/enlightenment, Realism/Naturalism, Symbolism/Modernism/Harlem Renaissance/Postmodernism/Contemporary. Students will develop a better understanding of these historical times through analyzing the authors’ styles, which will include vocabulary, syntax, and literary devices and techniques. The required student compositions for this class are descriptive, reflective, analytical, interpretive, and argumentative. Multimedia projects presented by students will be utilized to check student understanding of the materials covered in this course. The class will culminate with the EOC English Reading SOL test.

## Honors English 11

Prerequisites: Teacher Recommendation  
“A” in English 10 or “B” in Honors English 10

Grade Level: 11  
High Weight

Honors English 11 is an advanced class in which students will be asked to study challenging issues through diverse selections of poetry and prose. In addition to covering the materials identified in the English 11 course, students will be required to read two novels per quarter (four for the semester) and create original projects/presentations that further analyze the literary movements and authors’ purposes.

**The English Department of Galax High School requires that students who are enrolled in Honors English classes must read selected books during the summer.** This is an advanced class in which the students are asked to study challenging issues and materials. It is the responsibility of the student to acquire the reading material and study guide prior to leaving school for the summer.

The reading material must be read by the first day of English class. Students will be assessed on the summer reading. Student scores on the test or project will weigh heavily on the first nine weeks grading period. Requests for alternate reading material must be filed with the principal by July 1.

## English 12

Prerequisite: Pass English 11

Grade Level: 12  
Standard Weight

English 12 will require students to read and analyze a variety of British literature, as well as literature of other cultures. The students will produce expository and informational papers, which will be logically organized and contain clear and accurate ideas. The students will also produce a well-documented research paper using MLA documentation. Grammar and mechanics will be reviewed through writing and editing required papers. English 12 will also require students to plan and deliver a 5-10 minute oral presentation.

## College English/ENG 111 and ENG 112

Prerequisites: Successful completion of VCCS placement test  
“A” in English 11 or “B” in Honors English 11

Grade Level: 12  
High Weight

This course develops writing ability for study, college work, and other areas of life. Writings are based on experience, observation, research, and reading analysis of selected world literature. Students learn writing as a process: understanding audience and purpose, exploring ideas and information, composing, revision, and editing. Writing supports the integrating of experiences in thinking, reading, listening, and speaking. The class is accredited through Wytheville Community College (WCC). WCC’s attendance policy states that students cannot remain in the class if they miss more than two weeks (ten classes) per semester. Students will earn six college credits upon successful completion of the course. A final grade of C or better must be earned in order for the college credit to transfer to a four-year college/university.

**The English Department of Galax High School requires that students who are enrolled in College and Honors English classes must read selected books during the summer.** This is an advanced class in which the students are asked to study challenging issues and materials. They must acquire the reading material and study guide prior to leaving school for the summer.

The reading material must be read by the first day of English class. Students will be assessed on the summer reading. Student scores on the test or project will weigh heavily on the first nine weeks grading period. Students not passing the assessment will be placed in English 12. Requests for alternate reading material must be filed with the principal by July 1.

**Journalism**

Prerequisite: English 9, English 10 &amp; Passing scores on all English SOLs

Grade Level: 11,12  
Standard Weight

A class in journalism involves the production and distribution of reports on events. The word journalism applies to the occupation, as well as citizen journalists who gather and publish information. Journalistic media include print, television, radio and the internet. The class will produce articles related to the Galax school system and may include activities that occur outside of the school day.

**World Mythology**

Prerequisite: None

Grade Level: 9,10,11,12  
Standard Weight

In this course, students will concentrate on Aztec, Norse, Native American, Celtic, Greek, and Roman mythology through a study of literature and cultural histories. Origin stories, deities, and creatures will be studied through the poetry and prose from the regions. There will be strong emphasis on nonfiction selections and writing that focuses on literary analysis. Students will complete research-based projects showcasing the impact these stories still have on the modern world.

**Creative Writing**

Prerequisite: English 9 and Passing Score on all English SOLs

Grades: 10,11,12  
Standard Weight

This course will involve the writing of poetry, short stories, essays and other literary genres. Students study techniques and are encouraged to examine their own writing styles. The students are graded according to their own writing and class contributions. The reading of fiction and non-fiction are also required. The fields of literary criticism and journalism may be explored.

**Appalachian Studies**

Prerequisite: None

Grade Level: 9,10,11,12  
Standard Weight

This course will allow students to focus on the Appalachian region through a study of Appalachian music, folklore, poetry and prose of the region. In order to better understand the historical significance of the lessons, literary analysis, research, expository and narrative writing will be incorporated. During the class, students will complete projects, conduct discussions with guest speakers, and travel to local historical sites.

**Shakespeare's Comedies**

Prerequisites: "A" or "B" in English 9 &amp; English 10

Grade Level: 11,12  
Standard Weight

Because many high school students study only the tragedies, a course in the humor of Elizabethan times is quite appropriate for any well-educated student. The course will focus on eight of Shakespeare's best-known comedies. Students will become better interpreters of dialect, appreciate period humor, react through journal entries, and compare the elements of comedy. Quizzes, journal entries, class discussion, staging, acting, and a comparative analysis of the comedies will be the basis of the student's grade.

**Theater I**

Prerequisite: None

Grade Level: 9,10,11,12  
Standard Weight

Come explore the world of live theater! Students will learn: the history of theater, common theater terms, various types of stages and productions, how to evaluate performances, and some technical aspects of the state. Further, students will be required to perform whether as a part in an actual play or delivering monologues/duets in front of classmates. Watching and critiquing theatrical productions will also be a significant portion of the class.

## **Theater II**

Prerequisite: Intro to Theater

Grade Level: 10,11,12  
Standard Weight

This class is for students who want to learn more in-depth about acting, directing, etc. Students will be required to participate in actual productions, direct and produce shows.

## **FAMILY AND CONSUMER SCIENCE**

### **Home Economics**

#### **(A Career Cluster Program)**

**All course competencies are referenced to Virginia's Standards of Learning.**

## **Independent Living**

Prerequisite: None

Grade Level: 9, 10,11,12  
Standard Weight

Independent Living is a single-block, one year course in which the student learns life management skills in the areas of nutrition, clothing, housing, and household management. Focus is given on managing resources to achieve individual goals. Computer skills that enhance family and household management are included. Students will take the Workplace Readiness Skills for the Commonwealth Exam

## **Nutrition and Wellness/Child Development & Parenting**

Prerequisite: Independent Living

Grade Level: 10,11,12  
Standard Weight

**Nutrition and Wellness** is a single-period, one semester course in which the student learns how to make healthy food choices that promote wellness and good health. Meal planning, preparation, and diet analysis are included.

**Child Development & Parenting** is a single-period, one semester course that focuses on all aspects of child growth and development. Emphasis is given to parental responsibility, nurturing skills, and building positive relationships with children.

Students will take the Workplace Readiness Skills for the Commonwealth Exam

## **HEALTH AND PHYSICAL EDUCATION**

## **Health and Physical Education 9**

Prerequisite: Health/PE 8

Grade Level: 9

Physical Education nine includes activities that enhance cardiorespiratory endurance, individual exercises and team sports. Physical fitness is stressed throughout the year to enhance fitness scores. A variety of exercises and games are incorporated to improve these scores. The state physical fitness tests are given each quarter. Students in Health nine will integrate a variety of health concepts, skills, and behaviors to plan for their personal, life-long health goals.

Beginning with the class of 2020, the VDOE requires that all students be trained in emergency first aid, CPR and the use of AED, including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation. This requirement will be implemented in the Health and PE 9 course.

**Driver Education and Physical Education 10**

Prerequisite: Health/PE 9

Grade Level: 10  
Standard Weight

Classroom Driver’s Education studies are required instructional components. The Driver’s Education curriculum includes eleven modules developed by the Virginia Department of Education and is a requirement to obtain a Virginia driver’s license. Physical Education includes team sports and activities that enhance cardiorespiratory endurance. Physical fitness is stressed throughout the year, as students do various exercises to improve their physical fitness levels. The state physical fitness tests are given each quarter.

**Recreation Sports**

Prerequisite: Health and Physical Education 9  
Physical Education 10

Grade Level: 11,12  
Standard Weight

This course is designed for students who want to continue with physical education to improve physical fitness and mental well-being. This course will focus on leisure activities that can be enjoyed throughout life such as bowling, golf, tennis, pickle ball etc

**Weightlifting**

Prerequisite: None

Grade Level: 9,10,11,12  
Standard Weight

This course is designed mainly to help athletes get faster, stronger, and be the best athlete they can be. The class will consist of two parts: weightlifting and skill development. This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning.

**MATHEMATICS**

Beginning with the ninth-grade class of 2010-2011, only one unit of credit each may be used to satisfy the mathematics graduation requirement by completing Algebra I or Geometry.

**Possible Math Sequences**

<b>Grade</b>	<b>Option 1(Advanced Path)</b>	<b>Option 2 (Average)</b>	<b>Option 3</b>
7 <sup>th</sup>	Math 7	Math 7	Math 7
8 <sup>th</sup>	Algebra I	Math 8	Math 8
9 <sup>th</sup>	Geometry	Algebra I	Algebra I
10 <sup>th</sup>	Algebra II	Geometry & Algebra II	Geometry
11 <sup>th</sup>	Trig & Precal	Trig & Precal	AFDA or Algebra II
12 <sup>th</sup>	Calculus	Calculus	Algebra II or Trig

**Algebra Readiness**

Prerequisite: Pass Math 8

Grade Level: 9,10  
Standard Weight

This course is designed for students who wish to enroll in Algebra I, but require an extension of skills and understanding of concepts in the real number system. Students will solve first-degree equations and inequalities and perform operations with polynomials. Functions, relations and their graphs are introduced. Manipulatives, graphing calculators, and application software are used for solving problems and verifying solutions.

**Algebra I**

Prerequisite: Pass Math 8

Grade Level: 9,10  
Standard Weight

Algebra I is a traditional course that requires the student to use algebra as a tool for representing and solving a variety of practical problems, to use tables and graphs, to interpret algebraic expressions, equations, and inequalities, and analyze behaviors of functions using appropriate tools.

**Geometry**

Prerequisite: Algebra I, AFDA or Algebra II

Grade Level: 9,10,11  
Standard Weight

This course includes properties of geometric figures, trigonometric relationships, and reasoning to justify conclusions including paragraph proofs, two-column proofs, indirect proofs, coordinate proofs, algebraic methods, and verbal arguments. Inductive and intuitive approaches to proof as well as deductive reasoning will be used. Emphasis is placed on two- and three-dimensional reasoning skills, coordinate and transformational geometry, and the use of geometric models to solve problems.

**Algebra, Functions, and Data Analysis**

Prerequisite: Algebra I and Geometry

Grade Level: 10,11,12  
Standard Weight

Within the context of mathematical modeling and data analysis, students will study functions and their behaviors, systems of inequalities, probability, experimental design and implementation, and analysis of data. Data will be generated by practical applications arising from science, business, and finance. Students will solve problems that require the formulation of linear, quadratic, exponential, or logarithmic equations or a system of equations.

**Honors Algebra II**Prerequisite: A average in Algebra I  
Algebra I SOL score considered  
Teacher RecommendationGrade Level: 9,10,11,12  
High Weight

Honors Algebra II is a rigorous and in-depth treatment of advanced algebraic concepts through the study of functions, families of functions, equations, inequalities, systems of equations and inequalities, polynomials, rational and radical equations, complex numbers and sequences and series. Emphasis will be placed on practical applications and modeling. Projects and homework will be an essential part of this class.

**Trigonometry/ Probability and Statistics**

Prerequisite: Algebra II and Geometry with "C" average

Grade Level: 10,11,12  
High Weight

**Trigonometry** is a study of trigonometric definitions, applications, graphing, and solving equations and inequalities. Connections between right triangle ratios, trigonometric functions, and circular functions are emphasized. Emphasis will also be placed on oral and written communication concerning the language of mathematics, logic of procedure, and



interpretation of result, along with applications and modeling of functions. This course may be taken along with Pre-Calculus.

The second course is an introduction to the basic components of **Probability and Statistics**. One of the principle purposes of probability is to put a numerical measure on the “likelihood” that the result of an experiment will have a certain designated form. Statistics is concerned with the collection, presentation, analysis, and interpretation of sets of data. Topics will include permutations, functions, combinatorics, probability, statistics, algebraic systems, frequency distribution, measures of central tendency, standard deviation, and the standard normal curve.

### Pre-Calculus

Prerequisite: Algebra II, Geometry and Trigonometry  
Teacher Recommendation

Grade Level: 11,12  
High Weight

Pre-Calculus presents topics in polynomial, rational, exponential, logarithmic functions and systems, trigonometric functions, analytical geometry and an introduction to conics

### Calculus I

Prerequisite: Pre-Calculus  
Teacher Recommendation

Grade Level: 12  
High Weight

Calculus I presents topics in limits, continuity, differentiation and integration of algebraic, exponential and logarithmic functions.

### SAT PREP

Prerequisite: None

Grade Level: 10,11,12  
Standard Weight

SAT Prep is designed to help prepare students for the SAT test by concentrating on SAT reading, vocabulary and writing skills along with math practice. The course includes practice in taking the SAT test, as well as strategies for the question types (sentence completion, vocabulary, critical reading, and writing – finding errors/revision)

## MUSIC

### High School Beginning Band

Prerequisite: None

Grade Level: 9,10,11,12  
Standard Weight

This course is designed for any student wishing to learn how to play a band instrument (**flute, clarinet, saxophone, trumpet, trombone, tuba, baritone, French horn, percussion, mallets**) who may not have started in middle school, but now expresses interest. Students will learn the parts of an instrument, how to assemble and hold it, and how to make the basic sounds to be successful. They will also learn how to read music and rhythms and learn other music theory, in order to progress their skills.

### Marching Band I, II, III, IV

Prerequisite: At least 2-3 years of musical study on a band instrument  
Pass an audition and/or band director recommendation  
Be in good standing as a current band member

Grade Level: 9,10,11,12  
Standard Weight

The marching band/symphonic band is the premiere instrumental group of GCPS. Participation in both bands is required. As a member of the class, students will participate in marching band in the summer/fall and symphonic band in the spring.

Marching Band will begin once school is out for the summer, with events including but not limited to, rookie camp, summer rehearsals, full band camp (two weeks), parades (4<sup>th</sup> of July, Homecoming, Christmas), pep rallies, football games (regular season & playoffs), band competitions (3-4), after-school rehearsals, practice journals, etc.

Symphonic Band will begin in October/November once competition season is over and continue until the end of the year. Events for symphonic band include but are not limited to, practice journals, Christmas concert (counts as an exam), Concert Assessment, Pre-Assessment Concert, Spring Concert, Graduation (counts as an exam), etc.

### **Guitar I**

Grade Level: 9,10,11,12

Prerequisite: An interest in learning how to play guitar

Standard Weight

This course introduces students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. These courses may also include more advanced guitar-playing techniques.

### **Guitar II**

Grade Level: 10,11,12

Prerequisite: "B" average in Guitar I or audition

Standard Weight

Guitar II is a one-semester course designed to provide a further understanding of the fundamentals of playing guitar. Open chords, barre chords, and first position note reading are all prerequisites. These prerequisites are met in Guitar I or a student may audition for placement into Guitar II if all prerequisites are known. Chords studied will include Jazz chords and note reading will be expanded to reading notes in five positions. Chord intervals will be studied as well as music theory in the form of building major scales in any key, Roman numeral analysis, transpositions, and modal soloing. Students will examine composition techniques, lyric writing, and singing while playing.

### **Introduction to Music Theory**

Grade Level: 9,10,11,12

Prerequisite: None

Standard Weight

This course is designed to introduce students to the music theory and terminology needed to play any instrument, be involved in an ensemble, sing in a choir, or be involved in other musical activities. In this course, students will learn how to read music, write and count rhythms, sight sing and analyze music. They will also learn basic music terminology and ear training. Students will be able to compose short rhythms/melodies and understand the guidelines for composing music. Other topics to learn include intervals, key signatures, note names, simple/compound meter, dotted note values, tempo markings, dynamic markings, keyboard note identification, etc.

### **Chorus I, II, III, IV**

Grade Level: 9,10,11,12

Prerequisite: Interest in music and singing

Standard Weight

Students in chorus are exposed to a varied selection of vocal repertoire, including classical, popular, rock, world languages, and traditional forms. The chorus will present several concerts throughout the year and attendance is required for all performances and rehearsals. Students enrolling in chorus should have a passion for singing and a desire to learn more about the art of vocal music.

**Advanced Chorus I, II, III, IV**

Prerequisite: By Vocal Audition Only

Grade Level: 9,10,11,12

Standard Weight

The concert choir is an advanced ensemble of singers practicing a higher level of music. Music taught in this class can range from 4 part to 8 part harmonies. To be a member of the concert choir, students must display a higher level of musicianship, a dedicated approach in rehearsal, and a willingness to share in some after school practices and outside events. All concert choir members must audition during the spring semester of the prior school year or at the very beginning of the present school year. The concert choir provides a higher level of choral learning and better preparation for collegiate ensembles, etc.

**NAVAL JROTC**

**The following courses will be taught at Grayson County High School**

**Naval JROTC I**

Prerequisite: None

Grade Level: 9,10,11,12

Standard Weight

This course introduces students to the Navy Junior Reserve Officer Training Corps program, the importance of citizenship, the elements of leadership, the US government, and the value of scholarship in attaining life goals. Additional instruction includes: the principles of health and first aid, geography, orienteering, map reading skills, survival skills, financial skills, and overview of the US Navy, naval ships and aircraft. The importance and promotion of a healthy lifestyle including physical fitness, proper diet, controlling stress, and drug awareness are pursued at the fundamental level.

**Naval JROTC II**

Prerequisite: Naval JROTC I

Grade Level: 10, 11, 12

Standard Weight

This course builds on the general introduction provided in Navy JROTC I to further develop the traits of citizenship and leadership, introduce cadets to the technical areas of naval science, the role of the US Navy in maritime history, and the vital importance of the world's oceans to the national security of the United States. An introduction to maritime history including the American revolution, the American Civil War, the rise of the United States to world power status, world Wars I and II, the Cold War era, the 1990s, and conflict in the new millennium is provided. Additional instruction in the nautical sciences will include an introduction to maritime geography, oceanography, meteorology, astronomy, and the physical sciences.

Note: Unless otherwise noted, content is taken from the Naval Junior Reserve Officers Training Corps (JROTC) Cadet Field Manual (CFM – 11<sup>th</sup> Edition, NAVEDTRA 27116-K) and the NJROTC Cadet Reference Manual (CRM). Instructors are asked to continue relying heavily on their branch-specific curriculum guides to complement this core set of competencies.

## NURSING

The following courses will be taught at Grayson County High School

### **Intro to Health and Medical Services**

Prerequisite: None

Grade Level: 11,12

Standard Weight

This course introduces the student to a variety of healthcare careers and develops basic skills required in all health and medical sciences. It is designed to help students understand the key elements of the US healthcare system and to learn basic healthcare terminology; anatomy and physiology for each body system, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of traumatic and medical emergency care. Throughout the course, instruction emphasizes safety, cleanliness, asepsis, professionalism, accountability, and efficiency within the healthcare environment. Students also begin gaining job-seeking skills for entry into the health and medical sciences field. In addition, instruction may include the basics of medical laboratory procedures, pharmacology fundamentals, biotechnology concepts, and communication skills essential for providing quality patient care.

### **Nurse Aide I**

Prerequisite: Intro to Health and Medical Services

Grade Level: 11,12

Standard Weight

Nursing Assistant I is a two-block course that emphasizes the study of nursing occupations as related to the health care system. The course can be used as an introduction to practical nursing. Nursing Assistant I must be successfully completed before enrolling in Nursing Assistant II.

### **Practical Nursing I (PNE141/155 PNE 142/173)**

Prerequisite: Algebra I; Biology; Chemistry

Grade Level 12

High Weight

The practical nursing program is a dual credit course with Wytheville Community College. It is a five-semester program, two of which are taught the senior year at Grayson County Career and Technical Education Center and three are taught post-graduation at the Crossroads Center with clinical experience at local healthcare facilities.

*Required only for students who desire to complete the bridge course at WCC and enter the registered nursing program. Students who do not score high enough on reading and writing tests to be eligible for ENG 137 must enroll in the College Developmental Studies program to gain proficiency in this area /*

## SCIENCE

### **Environmental Science**

Prerequisite: Physical Science

Grade Level: 9

Standard Weight

The Virginia Environmental Science course is designed to provide a foundation for further study in Earth Science and Biology. The course will integrate the study of many components of our environment, including the human impact on our planet, with a focus on scientific inquiry, the physical world, the living environment, resource conservation, humans' impact on the environment, and legal and civic responsibility. Instruction will focus on student data collection and analysis through laboratory experiences and field work. Teachers will collaborate with museums, aquaria, nature centers, government agencies, associations, foundations, and private industry in efforts to engage students, provide diverse points of view about the management of natural resources, and offer a variety of learning experiences and career education opportunities.

### **Biology I**

Prerequisite: Earn a verified credit in Physical Science

Grade Level: 9,10,11,12

Standard Weight

The study of Biology is divided into two parts: Part I includes study of the cell and its functions, cell division (mitosis and meiosis) and DNA replication; processes of the cell: photosynthesis, nutrition acquisition and requirements, respiration, protein synthesis, reproduction, etc. Part II concentrates on the principles of genetics, human heredity, classification and variation of organisms and evolution, bacteria and infectious diseases and the use of vaccines and serum, antibiotics and chemotherapy in their treatment, and study of invertebrates. **The Biology SOL will be the final exam for this course.**

### **Honors Biology I**

Prerequisite: Verified credit in Physical Science

Verified credit in most recently completed math

Grade Level: 9,10,11

High Weight

Honors Biology is designed for the disciplined student to entertain more difficult course work than standard Biology I. Biology studies life. Major areas covered in Honors Biology I relevant to the standards of learning are molecular biology, cellular biology, genetics, ecology and human anatomy. **The Biology SOL will be the final exam for this course.**

For a student to be successful in Honors Biology, an in-depth understanding of content knowledge must be evident. Difficult reading and homework will be assigned, as well as a culminating project at the end of the year that will demonstrate sufficient content knowledge.

### **AP Biology**

Prerequisite: Verified Credit in Biology and a credit in an additional science

Grade Level: 11,12

Adhering to the curricula recommended by the College Board and designed to parallel college-level introductory biology courses, AP Biology stresses basic facts and their synthesis into major biological concepts and themes. This course covers three general areas: Molecules and cells (including biological chemistry and energy transformation); genetics and evolution; and organisms and populations (i.e., taxonomy, plants, animals, and ecology). AP Biology includes college-level laboratory experiments and requires students to be self-motivated and organized.

### **Earth Science**

Prerequisite: Biology I

Grade Level: 10,11,12

Standard Weight

Earth Science is designed to present to the student the most modern principles and concepts of earth and space science. The main topics include a study of the universe and its origin; the solar system; the earth's history, composition, and features; weathering, erosion and climates; the atmosphere and hydrosphere; and man's interaction with his environment.

### **Honors Earth Science**

Prerequisite: Verified credit in Biology

Verified credit in Physical Science

Grade Level: 10,11,12

High Weight

Honors Earth Science is designed to present a more in-depth study of the most modern principles and concepts of earth and space science. The main topics include a study of the universe and its origin; the solar system; the Earth's history, composition and features; weathering, erosion and climates; the atmosphere and hydrosphere; and man's interaction with his environment. Honors Earth Science will stress a more in-depth understanding of the principle and concepts of Earth Science through the use of literature (fiction and nonfiction) and professional journals. A final project will be required.

**Biology II: Ecology**

Prerequisite: Biology and Earth Science

Grade Level: 11,12  
Standard Weight

Biology II: Ecology will include, but will not be limited to, the study of the dynamic earth, ecosystems, organization of life, human population, bio-diversity, atmosphere, climate, and energy resources among other ecological interactions. Concepts taught will be put to use in everyday activities in the school community.

**Biology II: Anatomy/Physiology**

Prerequisite: Verified credit in Biology I

Grade Level: 11,12  
High Weight

Biology II: Anatomy/Physiology provides a college-level understanding of what the parts of the body are and how they work together. The emphasis is on normal structure (anatomy) and function (physiology).

**Chemistry**Prerequisite: C and verified credit in Biology I  
C and verified credit in Algebra IGrade Level: 11,12  
High Weight

This course deals with the basic concepts of general chemistry. Topics covered in lecture are the metric system, composition of matter, chemical and physical changes, structure of the atom, periodic table and properties of elements, chemical bonding, writing of formulas, significance of chemical formulas, balancing of equations, types of equations, stoichiometric relations (mathematics of chemistry), liquid, solids, water, the solution process, ionization, the Gas Laws, and a survey of organic chemistry.

**Forensic Science**Prerequisite: Verified credit in Biology I and one additional science course  
Verified credit in Algebra IGrade Level: 11,12  
Standard Weight

This course focuses on the skills and concepts behind crime scene investigation and forensic science. Whether you desire to be a crime scene investigator, forensic pathologist, or some other medical scientist, this course will help you hone your investigative skills and review a wide range of science concepts. You will review physics, chemistry, anatomy, cell biology, environmental science and computer science in the process of learning about forensic science. You will engage in lectures, put science to use by doing labs, case studies, on-line activities, and get real-world scenario based experience through professional visits as part of this course.

**Meteorology**

Prerequisite: Verified credit in Biology I and additional credit in Earth Science

Grade Level: 11,12  
Standard Weight

This is a survey course that will examine in detail meteorology, the science dealing with the lower atmosphere. Special emphasis is placed on computer technology in making weather observations, data collection, and forecasting. Students will analyze present weather conditions and formulate forecasts. Topics include the movement of air masses, global climate changes, the effects of air pollution, and weather-related phenomenon. An understanding of convection currents, pressure changes, and cloud development will be applied through the study of weather. Course content will include topics strongly tied to forecasting, such as instrumentation, large-scale weather systems, winds, and precipitation. Special emphasis will be placed on severe weather and students will track the events as they unfold both locally and across the U.S.

**Astronomy**Prerequisite: Verified credit in Biology I;  
Successful completion of Earth Science  
Completion of Algebra IIGrade Level: 11,12  
Standard Weight

This course is the study of our universe. Topics that will be studied will include the life cycles of stars, cosmological theories, our solar system and recent discoveries. Laboratory investigations will include topics such as stellar classification, star charts, spectra and parallax. In addition, there will be opportunities to observe the night sky.

**Physics**

Prerequisite: Trigonometry/Statistics

Grade Level: 11,12  
High Weight

Physics explores the fundamental principles of physics covering mechanics, thermodynamics, wave phenomena, electricity and magnetism, and selected topics in modern physics.

**SPECIAL EDUCATION**

**Learning Strategies**

Prerequisite: Teacher Recommendation

Grade Level: 9, 10, 11, 12  
Standard Weight

The Learning Center is available to students who have a current Individualized Educational Plan (IEP), and who need academic support and/or positive behavioral support to compensate for learning differences. Students are placed into the Learning Strategies course as outlined in their IEP. Special Education teachers provide review and re-teaching of key concepts in other classes, support for organizational, study and planning skills and strategies, standardized test preparation and monitoring of work completion and comprehension. The goals of the Learning Strategies course are to maximize student access to available programs at Galax High School, to assist students in reaching their fullest potential, and to support students in their efforts to effectively transition to postgraduate opportunities, including college, technical schools or career options.

**Functional Skills**

Prerequisite: Teacher Recommendation

Grade Level: 9, 10, 11, 12  
Standard Weight

The Functional Skills course is designed to incorporate functional skills, to promote transfer of skills and to foster the growth of appropriate social skills. Experiences in the prevocational and vocational areas and independent living are emphasized daily.

**Career Awareness and Transition I**

Prerequisite: Teacher Recommendation

Grade Level: 11, 12  
Standard Weight

This course is designed for students not enrolled in general education courses. Students will learn a career-planning process, assess their abilities, analyze those abilities and make realistic decisions regarding career options. Students will be exposed to a variety of career options and hands-on work experiences. They will learn to set goals and follow through with goal attainment. Additionally, students will learn appropriate work behaviors and habits, understand the job application process and participate in the interview process.

**Career Awareness and Transition II**

Prerequisite: Career Awareness and Transition I

Grade Level: 11, 12  
Standard Weight

This course is will continue with information and skills started in Career Awareness and Transition I and build upon those concepts.

**English Skills**

Prerequisite: Teacher Recommendation

Grade Level: 9, 10, 11, 12  
Standard Weight

This course is designed for students who are not enrolled in a general education English class. The class reinforces language arts skills and supports deficit areas with specialized instruction and a modified curriculum as determined by the Individualized Education Plan (IEP).

**Math Skills**

Prerequisite: Teacher Recommendation

Grade Level: 9, 10, 11, 12  
Standard Weight

This course is designed for students who are not enrolled in a general education math class. The class reinforces language arts skills and supports deficit areas with specialized instruction and a modified curriculum as determined by the Individualized Education Plan (IEP).

**Science Skills**

Prerequisite: Teacher Recommendation

Grade Level: 9, 10, 11, 12  
Standard Weight

Science Skills is a course composed of the following three strands: Life Science, Earth Science, and Physical Science. Course objectives are designed to ensure students are exposed to critical information that will make them better informed and more productive citizens. Students in this course are not currently enrolled in general education science courses.

**Social Studies Skills**

Prerequisite: Teacher Recommendation

Grade Level: 9, 10, 11, 12  
Standard Weight

Social Studies Skills is a course composed of the following three strands: Geography, U.S. History and Government. The course is designed to ensure students are exposed to critical information that will make them better informed and more productive citizens. Students in this course are not currently enrolled in general education social studies courses.

**SOCIAL STUDIES****World History & Geography to 1500**

Prerequisite: World Geography

Grade Level: 9,10,11,12  
Standard Weight

The study of World History and Geography enables students to explore the historical development of people, places, and patterns of life from ancient times until 1500 A.D. (C.E) in terms of the impact on Western civilization.

The study of history rests on knowledge of dates, names, places, events, and ideas. Historical understanding, however, requires students to engage in historical thinking, raise questions, and marshal evidence in support of their answers. Students engaged in historical thinking draw upon chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and decision making. These skills are developed through use of maps, pictures, narratives, and a variety of graphic organizers.



**World History & Geography from 1500 to Present**

Grade Level: 9,10,11,12

Prerequisite: World Geography and/or World History I

Standard Weight

The study of World History and Geography enables students to examine history and geography from 1500 A.D. (C.E.) to the present, with emphasis on Western Europe. Geographic influences on history will continue to be explored, but increasing attention will be given to political boundaries that developed with the evolution of nations. Significant attention will be given to the ways in which scientific and technological revolutions created new economic conditions that in turn produced social and political changes. Noteworthy people and events of the nineteenth and twentieth centuries will be emphasized for their strong connections to contemporary issues.

The study of history rests on knowledge of dates, names, places, events, and ideas. Historical understanding, however, requires students to engage in historical thinking, raise questions, and marshal evidence in support of their answers. Students engaged in historical thinking draw upon chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and decision making. These skills are developed through use of maps, pictures, narratives, and a variety of graphic organizers.

**Virginia and United States History**

Grade Level: 11

Prerequisite: World Geography and/or World History I or II

Standard Weight

The study of Virginia and United States History includes the historical development of American ideas and institutions from the Age of Exploration to the present. While focusing on political and economic history, the course provides students with a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in United States and Virginia history. Students should use historical and geographical analysis skills to explore in depth the events, people, and ideas that fostered our national identity and led to our country's prominence in world affairs.

The study of history must emphasize the intellectual skills required for responsible citizenship. Students practice these skills as they extend their understanding of the essential knowledge defined by the standards of history and social science.

**College U.S. History HIS 121/HIS 122**

Grade Level: 11,12

Prerequisite: WCC Placement Test

High Weight

HIS 121 United States History I: Surveys United States history from its beginning to the present. Students will earn 3 college credit hours.

HIS 122 United States History II: Surveys United States history from its beginning to the present. Students will earn 3 college credit hours.

**AP United States History**

Grade Level: 11

Prerequisite: Pass World History II SOL

High Weight

“B” average in World History II

“B” average in English 10

The Advanced Placement Program (AP) offers a course and exam in AP United States History to qualified students who wish to complete studies in the secondary school equivalent to an introductory college course in U.S. History. AP US History requires more time and energy than standard classes. Reading and independent learning are essential for student success. The AP US History exam presumes at least one year of college-level preparation. The AP test is required in May. Successful students may receive advanced placement credit in college. Summer reading is required for this class.

**United States Government**

Prerequisite: World History or World Geography and United States History

Grade Level: 12

Standard Weight

The study of Virginia and United States Government provides the background of knowledge that enables citizens to participate effectively in civic and economic life. Students will examine fundamental constitutional principles, the rights and responsibilities of citizenship, the political culture, the policy-making process at each level of government, and the operation of the United States market economy. The standards identify the personal character traits that facilitate thoughtful and effective participation in the civic life of an increasingly diverse democratic society.

Civic education also must emphasize the intellectual skills required for responsible citizenship. Students will practice these skills as they extend their understanding of the essential knowledge defined by the standards for Virginia and United States Government.

This course is a study of the American constitutional system of government at the local, state, and national level.

**Honors United States Government**

Prerequisite: World History or World Geography

"A" or "B" average in US History

Teacher Recommendation

Grade Level: 12

High Weight

This course is the advanced study of the American constitutional system of government with special attention upon the government of Virginia. Students will be expected to use the background knowledge of civic and economic life to wrestle with the fundamental constitutional principles, the rights and responsibilities of citizenship, the political culture, the policy-making process at each level of government (local, state, federal), and the operation of the United States market economy. As with any civic education, emphasis will be placed on the intellectual skill required for responsible citizenship. Students will exercise these skills in activities that will include role-playing, current affairs, and research projects.

The Social Studies Department of Galax High School requires that students who are enrolled in Honors US Government read a teacher selected book. This is an advanced class in which the students are asked to study challenging issues and materials. It is the responsibility of the student to acquire the reading material and the study guide before the class begins.

The reading material must be read by the first day of the Honors US Government class. Students will have a test or a project based on this reading. Student scores on the test or project will weigh heavily on the first nine weeks grading period. Requests for alternate reading material must be filed with the principal by July 1.

**African American History/Virtual**

Prerequisite: None

Grade Level: 10,11,12

Standard Weight

In this course, students will identify and understand the African origins and developments of the Black experience in North America, evaluate how African Americans have shaped, have contributed, and have been shaped by the institutions, policies, and laws established by federal, state, and local governments, evaluate and interpret the various paths of civic responsibility that led to quests for equality, justice and freedom for individuals and communities facing barriers and oppression based on race, class and gender; and analyze and understand how the institution of slavery in the United States shaped beliefs about race and the supremacy of one race over another and influenced America's economy and politics.

**STEM**  
**Science, Mathematics, Engineering, Technology**

**Engineering I (Introduction to Engineering Design-PLTW)**

Grade Level: 9,10,11,12

Prerequisite: Math 8 or Algebra I

Standard Weight

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, and use an engineering notebook to document their work. This is a rigorous hands-on project-based course. College credit, preferred admission, and scholarship opportunities are available to students who complete this program.

**Engineering II (Principles of Engineering-PLTW)**

Grade Level: 10,11,12

Prerequisite: C in Engineering I

Standard Weight

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

**Engineering III (Computer Integrated Manufacturing-PLTW)**

Grade Level: 11,12

Prerequisite: C in Engineering II

Standard Weight

The course explores manufacturing history, individual processes, systems, and careers. In addition to technical concepts, the course incorporates finance, ethics and engineering design. This reflects an integrated approach that leading manufacturers have adopted to improve safety, quality and efficiency. Students will analyze, design and build manufacturing systems. While implementing these designs, students will continually hone their interpersonal skills, creative abilities, and understanding of the design process. Students apply knowledge gained throughout the course in a final open-ended problem to build a manufacturing system. College Credit, preferred admission and scholarship opportunities are available to students who complete this class.

**STEM Challenge Competition**

Grade Level: 9, 10,11,12

Prerequisite: None

Standard Weight

Students will work individually and in teams to design, build, program, and drive robots, drones and other automated devices. Students will have an opportunity to compete with other schools in a predetermined format, both as individuals and as a team.

**Introduction to Drones UMS 107 and UMS 177**

Grade Level: 11,12

Prerequisite: Dual Enrollment Placement Test

Standard Weight

This course presents the aeronautical knowledge required for FAA approved commercial operations as a Remote Pilot with small Unmanned Aircraft Systems (sUAS) rating. Covers the regulations applicable to small UAS operations, loading and performance, emergency procedures, crew resources management, determining the performance of the small unmanned aircraft, and maintenance/inspection procedures. This class prepares students for the FAA written examination required to obtain the Remote Pilot certificate (UMS 107) as well as provides an introduction to the basic equipment and techniques used in maintaining, repairing, and upgrading sUAS to assure airworthiness and proper operation of the other components. Emphasis safe practices in repair and handling of components typically found in the complete sUAS; covers payload sensor mounting, power management and security threat management. Allows the student an opportunity to gain "hands on" flight time with various drones involved in several different flight scenarios.

## WELDING

Welding courses will take place on the WCC Crossroads campus.

### **Welding I SAF 127/WEL 100/WEL 123/WEL 150 (2 periods)**

Prerequisite: WCC Placement Test

Grade Level: 11,12

High Weight

**SAF 127:** (Fall Semester) Industrial Safety provides basic understanding of safety and health in an industrial situation. Includes hazardous materials, substances, conditions, activities and habits as well as the prescribed methods and equipment needed for the apprentice to protect himself/herself and others. Students will earn two college credits from Wytheville Community College

**WEL 100:** (Fall Semester) Fundamentals of Welding introduces electric and gas welding and cutting. Provides fundamental principles of joining ferrous and non-ferrous metals, welding cutting processes, equipment operation, and safety procedures with emphasis upon welding and cutting procedures. Students will earn three college credits from Wytheville Community College.

**WEL 123:** (Spring Semester) Shielded Metal Arch Welding (Basic) teaches operation of AC and DC power sources, welding polarities, heats and electrodes for use in joining various metal alloys by the arc welding process. Deals with running beads, butt, and fillet welds in all positions. Emphasizes safety procedures. Students will earn three college credits from Wytheville Community College.

**WEL 150:** (Spring Semester) Welding Drawing and Interpretation teaches fundamentals required for successful drafting as applied to the welding industry. Includes blueprint reding, geometric principles of drafting and freehand sketching, basic principles of orthographic projections, preparation of drawings and interpretation of symbols. Students will earn three college credits from Wytheville Community College.

### **Welding II WEL 160/WEL 164 (2 periods)**

Prerequisite: "C" average in Welding I  
WCC Placement Test

Grade Level: 12

High Weight

**WEL 160:** (Fall Semester) Gas Metal Arc Welding introduces semi-automatic welding processes with emphasis on practical application. Includes the study of filler wires, fluxes, and gases. Students will earn three college credits from Wytheville Community College.

**WEL 164:** (Spring Semester) Tungsten Inert Gas (TIG) introduces practical operations in the use of tungsten arc welding and equipment. Studies equipment operation setup, safety, and practice of Gas Tungsten Arc Welding (GTAW), Tungsten Inert Gas (TIG). Students will earn three college credits from Wytheville Community College.

## WORLD LANGUAGES

### **Spanish I**

Prerequisite: "C" average in English in previous school year

Grade Level: 9,10,11,12

Standard Weight

The emphasis of Spanish I is on pronunciation, vocabulary development, basic conversational skills, and mastery of simple grammar through lively classroom activities. Students will be introduced to the geography of the Spanish-speaking world, and to various aspects of popular Hispanic culture through their textbook, CDs, DVDs and computer activities.

## **Spanish II**

Prerequisite: "C" average in Spanish I  
Teacher Recommendation

Grade Level: 9,10,11,12  
Standard Weight

Spanish II is a continuation of Spanish I. Students explore a new level of Spanish which increases understanding of the Hispanic culture, geography, and popular cultural themes through comparisons of traditional practices in Spanish-speaking countries and the United States. Students make connections with other subject areas, develop a deeper understanding of the English language, and become increasingly aware of the need to communicate across communities.

## **Spanish III**

Prerequisite: "C" average in Spanish II  
Teacher Recommendation

Grade Level: 10,11,12  
High Weight

Spanish III challenges students to use their skills by using personalized conversations, creative writing, reading Hispanic literature, media, entertainment, and technology. Students strengthen their knowledge of English through comparing, contrasting, and the study of increasingly complex elements of the Spanish language. Students relate topics in other subject areas through observing Hispanic Arts, Hispanic music, and discussing historical and contemporary events and issues of Spanish-speaking countries.

## **Spanish for Native Speakers Level I**

Prerequisite: Spanish must be first language

Grade Level: 9,10,11,12  
Standard Weight

This course will focus on literary analysis, cultural studies, and basic Spanish grammar, including simple present tense, present progressive tense, and the past tense (preterit and imperfect) in Spanish. The course will be delivered in Spanish and all instructional materials will be written in Spanish.

## **Spanish for Native Speakers Level II**

Prerequisite: "C" average in Spanish I for Native Speakers

Grade Level: 9, 10,11,12  
Standard Weight

This course is a continuation of Spanish I for Native Speakers. Students make further discoveries of the Spanish-speaking world and literature. More advanced grammar will be covered, including perfect tenses with a review of the preterit and imperfect past tenses. The course will be delivered in Spanish and all instructional materials will be written in Spanish

## **Spanish for Native Speakers Level III**

Prerequisite: "C" average in Spanish II for Native Speakers

Grade Level: 10, 11,12  
High Weight

This course challenges Spanish-speaking students to use the Spanish language to explore other content areas and conduct investigative literary research. Students will review advanced Spanish grammar, including the subjunctive tense. This course will be delivered in Spanish and all instructional materials will be written in Spanish.

## **French I Virtual Virginia On-line**

Prerequisite: "A" average in English  
English Teacher Recommendation  
Less than 10 days absent the previous year

Grade Level: 9,10,11,12  
Standard Weight

The course consists of oral and written practice while studying vocabulary, grammar and French culture. Reading, writing, speaking, and listening are introduced. Emphasis is placed on listening and speaking skills. Students learn conversational dialogue based on everyday patterns. This class is offered **Fall Semester or Full Year.**

**French II Virtual Virginia On-line**

Prerequisite: “C” average in French I

Grade Level: 10,11,12  
Standard Weight

The course consists of oral and written practice while studying vocabulary, grammar and French culture. While speaking and listening skills continue to be emphasized, students will also increase their reading and writing skills. Students will begin to communicate more fluently in French, by learning and practicing more advanced concepts in grammar and vocabulary. This class is offered **Spring Semester or Full Year**.

**French III Virtual Virginia On-line**

Prerequisite: “C” average in French II

Grade Level: 11,12  
High Weight

The course consists of oral and written practice while studying vocabulary, grammar and French culture. While speaking and listening skills continue to be emphasized, students will also increase their reading and writing skills. Students will begin to communicate more fluently in French, by learning and practicing more advanced concepts in grammar and vocabulary. This class is offered **only Full Year**.

**Latin I Virtual Virginia On-line**

Prerequisite: “A” in English

English Teacher Recommendation

Less than 10 days absent the previous year

Grade Level: 9,10,11,12  
Standard Weight

In Latin, the student begins to develop the cultural understandings, attitudes, and linguistic performance skills necessary to experience the life style and culture of the Classical World. Students gain perspective on the present finding roots in our own culture and language in areas of Roman life such as history, government, literature, art, architecture, philosophy, religion, the military, and linguistics. Vocabulary and the understanding language structure for English increases. This class is offered **Fall Semester or Full Year**.

**Latin II Virtual Virginia On-line**

Prerequisite: “C” average in Latin I

Grade Level: 10,11, 12  
Standard Weight

The student continues to develop the cultural understandings, attitudes, and linguistic performance skills. This course increases a awareness of the contributions of Roman civilization to our Western civilization, increases knowledge of the Roman way of life, builds Latin and English vocabularies, improves reading skills, and improves mastery of the Latin structural system. Students gain perspective on life and language today as they are influenced by the past. This class is offered **Spring Semester or Full Year**.

**Latin III Virtual Virginia On-line**

Prerequisite: “C” average in Latin II

Grade Level: 11,12  
High Weight

This course is a continuation of Latin II. This class is offered **only Full Year**.

**Chinese I Virtual Virginia On-line**

Prerequisite: “A” in English

English Teacher Recommendation

Less than 10 days absent the previous year

Grade Level: 9,10,11,12  
Standard Weight

Students develop the ability to communicate about themselves and their immediate environment using simple sentences containing basic language structures. This communication is evidenced in all four language skills – listening, speaking, reading, and writing – with emphasis on the ability to communicate orally and in writing. Students begin to explore and

study the themes of Persona and Family Life, School Life, Social Life, and Community Life. This class is offered **only Full Year**.

**Chinese II Virtual Virginia On-line**

Prerequisite: “C” average in Chinese I

Grade Level: 10,11,12  
Standard Weight

Students continue to develop the ability to communicate about themselves and their immediate environment using simple sentences containing basic language structures. This communication is evidenced in all four language skills – listening, speaking, reading, and writing – with emphasis on the ability to communicate orally and in writing. At Intermediate-Low proficiency level, students begin to expand their study of new themes of Personal and Family Life, School Life, Social Life, and Community Life while some familiar themes and topics from level I may reoccur at the same time. However, the spiral character of the theme based instruction requires students to demonstrate their communicative skills and sophistication a new developmental level. This class is offered **only Full Year**.

**Chinese III Virtual Virginia On-line**

Prerequisite: “C” average in Chinese II

Grade Level: 11,12  
High Weight

Students continue to develop and refine their proficiency in all four language skills – listening, speaking, reading, and writing – with emphasis on the ability to interact orally and in writing. They communicate using more complex language structures on a variety of topics, moving from concrete to more abstract concepts. At this level, students comprehend the main ideas of the authentic materials that they read and hear, and they are able to identify significant details when the topics are familiar. Students gain deeper understanding of the world around them while studying Rights and Responsibilities, Future Plans and Choices, Teen Culture, Environment, and Humanities while some familiar themes and topics from levels I and II may reoccur at the same time. However, the spiral character of the theme based instruction requires students to demonstrate their communicative skills and sophistication at a new developmental level. This class is offered **only Full Year**.

**American Sign Language I**

Prerequisite: None

Grade Level: 9,10,11,12  
Standard Weight

This course provides an introduction to the basic skills in production and comprehension of American Sign Language (ASL). The course focuses on the alphabet, numbers, fingerspelling, vocabulary, and grammar which will lead to increased communicative and cultural proficiency in ASL. The culture, history, current events, and traditions of the deaf community are introduced through selected readings, visual recordings, and other authentic materials. Each student should be able to carry on a short conversation with another student by the end of the course. Also, students will develop the practical skills and knowledge necessary for basic interactions within the deaf community. This class is offered **only Full Year**.

**American Sign Language II**

Prerequisite: “C” average in ASL I

Grade Level: 10,11,12  
Standard Weight

In this course students will build upon the skills that were taught in American Sign Language I and continue to increase their ability to comprehend and respond with increasing accuracy to expressive American Sign Language (ASL). ASL II provides basic instruction in production and comprehension, vocabulary, and grammar, and eventually leads to increased communicative and cultural proficiency in ASL. Emphasis is placed on the progressive development of expressive and receptive skills. The culture, history, current events, and traditions of the deaf community are introduced on the appropriate level through selected readings, visual recordings, and other authentic materials. Students will be able to converse with another student or individuals within the deaf community, with emphasis on appropriate language used in common communication settings. This class is offered **only Full Year**.

### **American Sign Language III**

Prerequisite: "C" average in ASL II

Grade Level: 11,12

High Weight

In this course, students will build upon the skills that were taught in ASL II and continue to increase their ability to comprehend and respond with increasing accuracy to expressive American Sign Language. ASL III provides advanced instruction in production and comprehension, vocabulary, and grammar, leading to increased communicative and cultural proficiency in ASL. Emphasis is placed on the progressive development of expressive and receptive skills. The culture, history, current events, and traditions of the Deaf community are expounded upon through selected readings, visual recordings, and other authentic materials. Visually attending, signing, individual feedback, interactive activities and group activities are designed to instruct, reinforce connect language skills, and develop signacy. This course includes applications, problem solving, higher-order thinking skills, and performance based and project-based assessments. Students will be able to converse with another student or individuals within the Deaf community with emphasis on appropriate language used in common communication settings. This class is offered **only Full Year**.

## **ENGLISH FOR MULTILINGUAL LEARNERS**

### **Newcomer English for Multilingual Learners**

Prerequisite: Identified by ACCESS or WIDA SCREENER  
Test as an EL level 1.0-1.9

Grade Level: 9,10,11,12

Standard Weight

The purpose of the Newcomer English for Multilingual Learners class at GHS is to help beginning level English Language Learners to communicate socially and academically in English as quickly as possible through ESL education and to help those students become successful in their school programs. Instruction will also strive to help those students adjust culturally to life in the United States.

### **English II for Multilingual Learners**

Prerequisite: Identified by ACCESS or WIDA SCREENER  
Test as an EL level 2.0-2.9

Grade Level: 9,10,11,12

Standard Weight

The purpose of the English II for Multilingual Learners class at GHS is to continue to instruct English Language Learners in the English language by concentrating on content vocabulary study. Greater emphasis is placed on reading and writing skills. Also content area classes are closely monitored and content area instruction is scaffolded and reinforced.

### **English III for Multilingual Learners**

Prerequisite: Identified by ACCESS or WIDA SCREENER  
Test as an EL level 3.0 to 4.4

Grade Level: 9,10,11,12

Standard Weight

In this advanced English language acquisition course, students will focus on content vocabulary and academic language structures. Emphasis will be on reading and writing to support learning in content areas.



## ADDITIONAL VIRTUAL COURSES

### Computer Science Foundations

Prerequisites: None

Grade Level: 9,10,11, 12

Standard Weight

This course provides an emphasis on computer programming within the context of broader concepts of computer science. The course builds on the concepts of computer science developed in prior grade levels. The course provides a transition from block-based programming to a text-based programming language and familiarizes the student with developing and executing computer programs. Programmable computing tools are used to facilitate design, analysis, and implementation of computer programs. Students will use these tools for exploring and creating computer programs, facilitating reasoning and problem solving, and verifying solutions. This class is offered in the **Fall Semester or Full Year**.

### Computer Science Principles

Prerequisites: Computer Science Foundations

Grade Level: 9,10,11, 12

Standard Weight

This course builds on the concepts introduced in the Computer Science Foundations course. Students in this course will expand their programming skills and begin to think about and analyze their own problem-solving process. Students will continue to develop the ideas and practices of computational thinking and consider how computing impacts the world. Programmable computing tools are used to facilitate design, analysis, and implementation of computer programs. Students will use these tools for exploring and creating computer programs, facilitating reasoning and problem solving, and verifying solutions. This class is offered in the **Fall Semester, Spring Semester or Full Year**.

### Computer Science Programming with JAVA

Prerequisites: Computer Science Foundations  
Computer Science Principles

Grade Level: 10,11, 12

Standard Weight

This course builds on the concepts introduced in the Computer Science Foundations and Computer Science Principles courses. Using the JAVA programming language, this course continues the study of computer programming and prepares students to write programs of increasing complexity to solve problems of personal interest and professional relevance in a variety of technical fields. Additionally, this course provides the knowledge and experience to prepare students for further studies in computer science. The majority of this course will address algorithms and programming. This class is offered **only Full Year**.

### Computer Science Programming with PYTHON

Prerequisites: Computer Science Foundations  
Computer Science Principles

Grade Level: 10,11, 12

Standard Weight

This course builds on the concepts introduced in the Computer Science Foundations and Computer Science Principles courses. Using the PYTHON programming language, this course continues the study of computer programming and prepares students to write programs of increasing complexity to solve problems of personal interest and professional relevance in a variety of technical fields. Additionally, this course provides the knowledge and experience to prepare students for further studies in computer science. The majority of this course will address algorithms and programming. This class is offered **only Full Year**.

## OFF CAMPUS OFFERINGS

### SOUTHWEST VIRGINIA GOVERNOR'S SCHOOL (SWVGS)

<http://swvgs.us>  
100 Northwood Drive  
Pulaski, VA 24301  
540-643-0637

### A LINWOOD HOLTON GOVERNOR'S SCHOOL (LHGS)

[www.hgs.k12.va.us](http://www.hgs.k12.va.us)

### VIRGINIA VIRTUAL ADVANCED PLACEMENT SCHOOL

[www.virtualvirginia.org](http://www.virtualvirginia.org)

#### **Southwest Virginia Governor's School**

Grade Level: 11,12  
High Weight

Prerequisite: Standardized test scores: 90<sup>th</sup> percentile or above  
SOL scores 500 or greater are ideal  
High science and mathematics course grades  
PSAT/SAT Scores: 90<sup>th</sup> percentile or above  
Consistent attendance  
Strong teacher and counselor recommendation  
Completion of Algebra I and Algebra II (completion of Geometry preferred)  
DAT Scores (if available: Abstract Reasoning score above average)  
Campus visit; interview; application; parent approval  
Galax City School Board approval

The Southwest Virginia Governor's School for Science, Mathematics, and Technology is one of eight schools established by the Governor of Virginia to create unique educational opportunities for students with aptitude and interest in science and mathematics. Students attend the Governor's School in the morning for advanced math and science courses and return to Galax High School in the afternoon for English, Social Studies, and elective courses. Programs facilitate the acquisition of scientific and technical knowledge through laboratory investigation and research. The student body is comprised of juniors and seniors from area high schools.

Computers are integrated throughout the curriculum. Students learn word processing, data base analysis, graphing, spreadsheet, statistical software application, and data collection from experimental, interfaced-computer software in all disciplines. The Governor's School provides educational experiences which expose students to ways mathematics and science are applied in the real world. The activities include field research projects, internships, a visiting scientist lecture series, and visits to area colleges and universities. Applicants must adhere to the spring application deadlines as established by the Southwest Virginia Governor's School.

Governor's school students are required to schedule 4 credit classes, 3 of which may be earned at the SWVGS. Students must select 1 credit classes from Galax High School's master schedule.

#### **A Linwood Holton Governor's School**

Grade Level: 11,12  
High Weight

Prerequisite: Standardized test scores: 90 percentile or greater  
Application; parent approval  
Teacher recommendations  
Galax City School Board approval

The A Linwood Holton Governor's School, named for a former Governor of Virginia, has implemented a wide range of asynchronous technologies to permit students to collaborate and share resources with one another, as well as their teachers and put them in contact with mentors throughout the world. This is a unique method of meeting the needs of gifted and talented students in far Southwest Virginia. Students participate in classes which involve networking, innovative technology, telecommunications, and distance learning in addition to more traditional forms of instruction.

Classes are provided at Galax High School. Students are required to attend field trips and orientation sessions at the Southwest Virginia Higher Education Center in Abingdon, VA.

### **SCHOOL COUNSELING PROGRAM**

The Galax City School Board affirms that parents are the student's first teachers and that the public schools should serve to strengthen family and parental support. No student will be required to participate in any counseling program to which the student's parents object.

For the purposes of this policy, the following definitions apply:

- a) Academic Guidance - Guidance which assists students and their parents to acquire knowledge of the curricula choices available to students, to plan an individual program of studies, to arrange and interpret academic testing, and to seek post-secondary academic opportunities.
- b) Career Guidance - Guidance which helps students to acquire information and plan action about work, jobs, apprenticeships, and post-secondary educational and career opportunities.
- c) Personal/Social Counseling - Counseling which assists a student in developing an understanding of themselves, the rights and needs of others, how to resolve conflicts and to define individual goals, reflecting their interests, abilities and aptitudes. Such counseling may be provided whether (i) in groups in which generic issues of social development are addressed or (ii) through structured individual or small group multi-session counseling which focuses on the specific concerns of the participants(s).

It is the policy of the Galax City School Board with respect to personal/social counseling that parents will notify the school division in writing if the student is not to participate in the personal/social counseling program.

Counseling techniques which are beyond the scope of the professional certification or training of school counselors, including hypnosis or other psychotherapeutic techniques used to treat psychopathology, are prohibited.

## NOTES

The Galax City School System does not discriminate on the basis of race, color, religion, age, sex, disability, national origin, or marital status in its practices or programs.