

STANDARD DIPLOMA

22 CREDIT DIPLOMA REQUIREMENTS FOR GRADUATION

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

To graduate from high school, students shall meet the minimum requirements for the standard diploma as outlined below, including 22 standard credits, 6 of which must be verified credits. A **standard** credit is earned when a student passes a course. A **verified** credit is earned when a student passes a course and the associated end-of-course SOL test. In some cases, students may utilize substitute tests, certifications, or the appeal process to earn verified credits. State guidelines prescribe the number of verified credits required for graduation for students entering a Virginia public high school for the first time during the tenth grade or after. Consult your school counselor for specific information.

Students in grades 7-12 receive credit toward graduation for high school courses taken in middle school. These courses count toward credits in the required sequences as well as toward the total number of credits required for graduation and calculation of the grade point average (GPA). **Middle school parents may request that grades for any high school credit-bearing course taken in the middle school be removed from the student's high school transcript, and therefore the student will not earn high school credit for the course.** In addition, the student will not be eligible for a verified credit in any course which has been removed from the transcript. **The request to remove a course from the transcript must be made in writing to the middle or high school the student will attend the following year, prior to the end of the first nine weeks.**

Standard Diploma: 22 Units of Credit

Standard Diploma Course Requirements (8 VAC 20-131-50.B)		
Discipline Area	Standard Credit	Verified Credit Effective for Ninth Graders in 2003-04 and beyond
English	4	2
Mathematics ¹	3	1
Laboratory Science ^{2,6}	3	1
History and Social Sciences ^{3,6}	4	1
Health and Physical Education	2	
Fine Arts or Career and Technical Ed	1	
Electives ⁴	5	
Student Selected Test ⁵		1
Total Credits	22	6: 2 English; 1 mathematics; 1 science; 1 history/social science; 1 student selected

¹ Courses completed to satisfy this requirement shall be at or above the level of algebra and shall include at least two course selections from among Algebra I, Geometry, Algebra II, or other mathematics courses above the level of algebra and geometry. The Board of Education may approve additional courses to satisfy this requirement.

² Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines: Earth Science, Biology, Chemistry, or Physics.

³ Courses completed to satisfy this requirement are U.S. and Virginia History, U.S. and Virginia Government, and World History/Geography I and World History/Geography II. AP World History satisfies the requirement for World History/Geography II.

⁴ Courses to satisfy this requirement shall include at least two year long sequential electives as required by the standards of quality..

⁵ A student may utilize additional tests for earning verified credit in computer science, technology, career and technical education or other areas as prescribed by the Board of Education in 8 VAC 20-131-110.

⁶ 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 (1) the student selected verified credit and (2) either a science or history or 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 of Education as an additional test to verify student achievement.

ADVANCED STUDIES DIPLOMA

24 CREDIT DIPLOMA REQUIREMENTS FOR GRADUATION

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

To graduate from high school, students shall meet the minimum requirements for the advanced studies diploma as outlined below which include 24 credits, 9 of which must be verified credits. A **standard** credit is earned when a student passes a course. A **verified** credit is earned when a student passes a course and the associated end-of-course SOL test. In some cases, students may utilize substitute tests or certifications to earn verified credits. State guidelines prescribe the number of verified credits required for graduation for students entering a Virginia public high school for the first time during tenth grade or after. Consult your school counselor for specific information.

Students in grades 7-12 receive credit toward graduation for high school courses taken in middle school. These courses count toward credits in the required sequences as well as toward the total number of credits required for graduation and calculation of the grade point average (GPA). **Middle school parents may request that grades for any high school credit-bearing course taken in the middle school be removed from the student's high school transcript, and therefore the student will not earn high school credit for the course.** In addition, the student will not be eligible for a verified credit in any course which has been removed from the transcript. **The request to remove a course from the transcript must be made in writing to the middle or high school the student will attend the following year prior to the end of the first nine weeks.**

Advanced Studies Diploma: 24 Units of Credit

Advanced Studies Diploma Course Requirements (8VAC 20-131-50.C)		
Subject Area	Standard Credits	Verified Credits
English	4	2
Mathematics ¹	4	2
Laboratory Science ²	4	2
History and Social Science ³	4	2
Foreign Languages ⁴	3	
Health and Physical Education	2	
Fine Arts or Career and Technical Ed	1	
Electives	2	
Student Selected Test ⁵		1
Total Credits	24	9 : 2 English; 2 mathematics; 2 science; 2 history/social science; 1 student selected

¹ Courses completed to satisfy this requirement shall be at or above the level of algebra and shall include at least three different course selections from among: Algebra I, Geometry, Algebra II, or other mathematics courses above the level of Algebra II. The Board of Education may approve additional courses to satisfy this requirement.

² 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. The Board of Education may approve additional courses to satisfy this requirement.

³ 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 of Education may approve additional courses to satisfy this requirement.

⁴ Courses completed to satisfy this requirement shall include three years of one language or two years of two languages.

⁵ A student may utilize additional tests for earning verified credit in computer science, technology, career or technical education or other areas as prescribed by the Board of Education in 8 VAC 20-131-110.

MODIFIED STANDARD DIPLOMA

20 CREDIT DIPLOMA REQUIREMENT FOR GRADUATION

Effective For Those Students Entering 9th Grade For The First Time In 2000-2001 And After

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

The modified standard diploma is intended for certain students who have a disability and are unlikely to meet the credit requirements for a standard diploma. Eligibility and participation in the modified standard diploma program shall be determined by the student's Individual Education Program (IEP) team anytime after the student's eighth grade year. There are no verified credit requirements for the modified standard diploma. **Beginning with the 9th grade class of 2000-01, students pursuing the modified standard diploma are required to meet literacy and numeracy requirements on the 8th grade English reading and mathematics Standards of Learning (SOL) tests.** Students may substitute a higher level high school SOL test for the 8th grade SOL tests in English reading and mathematics or other substitute tests approved by the Virginia Board of Education.

A student who has chosen to pursue a modified standard Diploma shall also be allowed to pursue the standard or advanced studies diploma at any time throughout the high school career. The student may not be excluded from courses and tests required to earn a standard or advanced studies diploma.

Modified Standard Diploma: 20 Units of Credit

Modified Standard Diploma Course Requirements (8 VAC 20-131-50.D)	
Discipline	Standard Credits
English	4
Mathematics ¹	3
Science ²	2
History and Social Science ³	2
Health and Physical Education	2
Fine or Practical Arts	1
Electives ⁴	6
Total Credits	20

¹ Courses completed to satisfy this requirement shall include content from among applications of algebra, geometry, personal finance, and statistics in courses that have been approved by the Board of Education.

² Courses completed shall include content from at least two of the following: applications of earth science, biology, chemistry, or physics in courses approved by the Board of Education.

³ Courses completed to satisfy this requirement shall include one unit of credit in U.S. and Virginia History and one unit of credit in U.S. and Virginia Government in courses approved by the Board of Education.

⁴ Courses to satisfy this requirement shall include a least two sequential electives in the same manner required for the standard diploma.

Declaration of Nondiscrimination

No student, employee, or applicant for employment in the Fairfax County Public Schools shall, on the basis of age, race, color, sex, religion, national origin, marital status, or disability, or age (under certain conditions), be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. Compliance is coordinated by the directors of the following: Office of Design and Construction Services (located at 10640 Page Avenue Suite 400, Fairfax Virginia 22030, 703-246-3632) regarding access to facilities; Office of Equity and Compliance (571-423-3050 or TTY 703-280-9833), regarding equal employment opportunity, discrimination, and sexual harassment issues; Office of Monitoring and Compliance (571-423-4210), Department of Special Services, regarding programs and activities for students with disabilities. Correspondence may be addressed to the above offices and sent to 8115 Gatehouse Road, Falls Church, Virginia 22042.

STATE DIPLOMA SEALS

1. The Governor's Seal shall be awarded to students who complete the requirements for an Advanced Studies diploma with an average grade of "B" or better and successfully complete at least one Advanced Placement course (AP), International Baccalaureate (IB), or one college-level course for credit. NOTE: New requirements for this seal went into effect with the ninth-grade class of 2006-07 and beyond. The requirements, which were adopted in 2000 for the ninth-grade classes of 2001 through 2005, as stated here, will remain effect for the graduating classes of 2007, 2008, and 2009.
2. Students who complete the requirements for a standard diploma or advanced studies diploma with an average grade of "A" shall receive a **Board of Education Seal** on the diploma.
3. The **Board of Education's Career and Technical Education Seal** will be awarded to students who earn a standard or advanced studies diploma and complete a prescribed sequence of courses in a career and technical education concentration or specialization that they choose and maintain a "B" or better average in those courses; or (i) pass an examination 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 (ii) acquire a professional license in that career and technical education field from the Commonwealth of Virginia.
4. The **Board of Education's Seal of Advanced Mathematics and Technology** will be awarded to students who earn either a standard or advanced studies diploma and (i) satisfy all of the mathematics requirements for the advanced studies diploma (four units of credit including Algebra II; two verified units of credit) with a "B" average or better; and (ii) either (a) pass an examination in a career and technical education field that confers certification from a recognized industry, or trade or professional association; (b) acquire a professional license in a career and technical education field from the Commonwealth of Virginia; or (c) pass an examination approved by the board that confers college-level credit in a technology or computer science area.
5. The **Board of Education's Seal for Excellence in Civics Education** will be awarded to students who earn either a standard or advanced studies diploma and: (i) complete Virginia and United States History and Virginia and United States Government courses with a grade of "B" or higher; and, (ii) have good attendance and no disciplinary infractions as determined by local school board policies and, (iii) complete 50 hours of voluntary participation in community service or extracurricular activities. Activities that would satisfy the requirements of clause (iii) of this subdivision include: (a) volunteering for a charitable or religious organization that provides services to the poor, sick or less fortunate; (b) participating in Boy Scouts, Girl Scouts, or similar youth organizations; (c) participating in JROTC; (d) participating in political campaigns or government internships, or Boys State, Girls State, or Model General Assembly; or (e) participating in school-sponsored extracurricular activities that have a civics focus. Any student who enlists in the U.S. military prior to graduation will be deemed to have met this community service requirement.
6. Students may receive other seals or awards for exceptional academic, career and technical, citizenship, or other exemplary performance in accordance with criteria defined by the local school board.

(NOTE: The requirements in the 2006 Virginia Standards of Accreditation for seals take effect with the ninth-grade class of 2006-2007 and beyond. The requirements adopted in the 2000 SOA for the ninth-grade classes of 2001 through 2005, as stated here, will remain in effect for the graduating classes of 2007, 2008, and 2009.)

FOREIGN LANGUAGE PROFICIENCY CREDIT

The Foreign Language Credit Program exam is given each fall to students who wish to demonstrate written proficiency in one of several languages: Amharic, Arabic, Bengali, Chinese, Farsi, French, Hindi, Korean, Punjabi, Russian, Somali, Spanish, Tagalog/Filipino, Twi, Urdu, or Vietnamese. Students who are successful on the exam receive two foreign language credits which may be used to fulfill the foreign language requirements of the Advanced Studies Diploma or as electives for the Standard Diploma. In addition, students who participate in the English for Speakers of Other Languages (ESOL) program during grades 7-12 may apply two units of credit in the Level 2 category (course code 5720) towards the foreign language requirement of the Advanced Studies Diploma.

For more information on the exam, go to:
<http://www.fcps.edu/DIS/OHSICS/forlang/creditem/index.htm>
or contact the Foreign Language Office at 703-208-7724.

GRADE-POINT AVERAGE

Grade-point average (GPA) is calculated on the basis of **all courses for which credit has been earned or attempted, including repeated courses previously passed**. In order for a repeat course to raise a GPA, the student's grade must be higher than the one originally given. All classes appearing on the high school transcript including high school classes taken in summer school, middle school, elementary school, or online are included when calculating GPA.

Quality points are numerical values assigned to final grades for the purpose of determining a numerical average. Quality points are assigned to grades earned in all courses for which credit is received, as follows:

A	-	4.0	C+	-	2.5	D	-	1.0
B+	-	3.5	C	-	2.0	F	-	.0
B	-	3.0	D+	-	1.5	P	-	.0

Advanced Placement (AP) courses and specified International Baccalaureate (IB) courses receive an additional .5 added to the final grade upon successful completion of the course. Successful completion is defined as completing the course with a passing grade and taking the corresponding AP or IB exam. For example, a final grade of A in an AP/IB course shall receive 4.5 quality points for purposes of calculating grade point average.

Courses dropped will not be counted in grade point average (GPA) except when a final grade of F is received: (a) for the fourth grading period of a full-year course, or (b) for the second grading period of a semester course. A student's GPA is determined by dividing the total number of quality points earned by the number of courses included in the transcript. The grade-point average is reported to three decimal places (thousandths).

WITHDRAWAL POLICY

If a student drops a course during the:

1st quarter	No penalty--nothing is recorded.
2nd quarter	WP (withdrawn passing) or WF (withdrawn failing) is recorded. Exception: For semester courses a WP or F for failure is recorded.*
3rd quarter	WP or WF is recorded.
4th quarter	WP or F for failure is recorded.*

* Unless there are unusual circumstances, a student who has a passing grade may not withdraw during the terminating quarter of the course.

POSTSECONDARY PLANNING

Each high school in Fairfax County Public Schools provides a sequential postsecondary planning program that focuses on the acquisition of knowledge, skills, and self-understanding necessary to achieve after high school goals. Students are counseled regarding opportunities for post-secondary education, financial aid and employment prior to high school graduation. The program includes career planning that assists students in developing good decision-making skills, an understanding of their interests and abilities, and knowledge of the wide range of career opportunities. To assist in the process, information and references are provided at your school and are available online. Each high school has a staffed Career Center with current college and career resource materials. Consult <http://www.fcps.edu/ss/CareerConnections>

FCPS ONLINE COURSES

FCPS Online Campus is a program designed to provide students with an online option for earning credits toward high school graduation. This program supports the Governor's "Early College Scholars" program by providing advanced courses to students.

Students registered in any Fairfax County Public School or alternative high school are eligible to apply to take a course through the FCPS Online Campus. These courses are for students who have scheduling conflicts or have special needs requiring web-based instruction. Tuition will be charged when a student is already scheduled to receive seven credits during the academic year or when a student enrolls in an FCPS online summer course. Students must meet all regular eligibility requirements to enroll in an FCPS online course. Students interested in enrolling in an FCPS Online Campus course should consult their school counselor for information regarding the registration process. For more information go to www.fcps.edu/DIS/onlinecampus.

The following courses are currently available on line:

Algebra 1	AP English Language
Algebra 2	AP English Literature
Geometry	AP French Language
Geometry Honors	AP Spanish Literature
Trigonometry	AP Spanish Language
Precalculus	
Biology 1	AP U.S. Government
Chemistry 1	AP U.S. History
Geosystems	AP Psychology
Oceanography	AP Microeconomics
Physics 1	AP Macroeconomics
Spanish 1	AP Biology
Spanish 2	AP Chemistry
Spanish 3	
	AP Physics B
Creative Writing 1	
Creative Writing 2	AP Calculus AB
English 9	AP Statistics
English 10	
English 11	
English 12	Advanced Accounting
Psychology	
VA and US Government	Physical Education 9
VA and US History	Physical Education 10
World History and Geography 1	
World History and Geography 2	

ADVANCED ACADEMIC PROGRAMS

Advanced Academic Programs at the high school level are comprised of Pre-AP, Pre-IB, or honors courses at the 9th and 10th grade levels, and the Advanced Placement (AP) or International Baccalaureate (IB) programs at the 10th, 11th, and 12th grade levels. Advanced Academic Programs are open to all students committed to rigorous academic work. Student transfer applications may be submitted for an AP or IB program if the base school does not offer the desired program of study. For more information go to <http://www.fcps.edu/ss/student-transfer/index.htm>

AP and IB courses are advanced-level courses with external exams. Students who take AP and IB courses are required to sit for the examinations. **(For more information, see Grade Point Average).**

The program for gifted and talented students responds to the requirement of the Virginia Board of Education that each local school division plan and implement an instructional program for gifted and talented students at all levels K-12. Courses designated as honors, Pre-AP, Pre-IB, IB and AP fulfill this requirement.

The Fairfax County Public Schools' high school advanced academic program provides educational opportunities designed and coordinated to meet the needs, abilities, and interests of gifted and talented students. The high school gifted program provides challenging courses for students who demonstrate advanced academic ability.

Differentiated curricula and teaching strategies which stress critical thinking skills, creativity, and problem-solving are integrated into the content of all advanced academic course offerings. The four-year sequence of courses in each of the academic disciplines, which progresses from honors and pre-AP to AP, and from pre-IB to IB, provides a continuous and balanced gifted and talented program.

Advanced Placement

Centreville, Chantilly, Fairfax, Falls Church, Hayfield, Herndon, Lake Braddock, Langley, Madison, McLean, Oakton, South County, West Potomac, West Springfield, Westfield, and Woodson High Schools offer the Advanced Placement (AP) program. Individual AP courses are also offered at other high schools. All students enrolled in an AP course are required to take the end-of-course AP exam. AP exams are graded on a scale of 1-5.

The AP program is offered in English, social studies, mathematics, science, foreign languages, and fine arts. AP courses are offered as open enrollment to all students committed to rigorous academic work. Students taking at least 3 AP exams with at least a grade of 3 on each are recognized by the College Board as AP Scholars. Further information about the AP program may be obtained by contacting the school counselor or AP coordinator at the participating school.

International Baccalaureate

Annandale, Edison, Lee, Marshall, Mount Vernon, Robinson, South Lakes, and Stuart High Schools offer the International Baccalaureate (IB) Diploma. To qualify for the IB Diploma, students must select at least one subject from each of six IB subject groups including English, world language, mathematics, science, social studies, and an elective. Students take at least 3 and not more than 4 of these subjects at higher level (HL), the others at standard level (SL). All students enrolled in an IB course are required to take the end-of-course IB exams. IB exams are graded on a scale of 1-7. IB diploma candidates must complete 150 hours of extracurricular activities and community service, take the Theory of Knowledge course, and write a 4000 word essay on a topic of their choice. Students in IB schools have a choice of being certificate candidates or IB diploma candidates. Certificate candidates take one or more IB courses and the associated exam(s) and receive certificates for each IB exam with a score of "4" or better.

The IB program is offered in English, social studies, mathematics, science, world languages, fine arts, and other electives. IB courses are offered as open enrollment to all students committed to rigorous, academic work. Further information about the IB program may be obtained by contacting the school counselor or IB coordinator at the participating school.

Annandale, South Lakes, Mount Vernon, and Stuart High Schools implement the IB Middle Years Program in 9th and 10th grade. Students may choose to work toward the MYP certificate which requires the completion of a personal project at the end of 10th grade and success on the MYP 10th grade assessments.

Thomas Jefferson High School For Science And Technology

The Thomas Jefferson High School for Science and Technology is a unique Fairfax County public school offering a comprehensive college preparatory program emphasizing the sciences, mathematics, and technology. As the Governor's School for Science and Technology in Northern Virginia, the school serves students who are selected in a competitive process and intend to pursue college preparation in the sciences, engineering, or related fields. Students may obtain information about application procedures and deadlines from the School Counseling Office of their local schools or by calling Thomas Jefferson High School for Science and Technology Office of Admissions at 703-658-5823.

HIGH SCHOOL ACADEMIES

Advanced technical and specialized elective courses are available at Academies located at Chantilly, Edison, Fairfax, Falls Church, Marshall, and West Potomac High Schools for students interested in pursuing careers in International Studies and Business; Engineering and Scientific Technology; Health and Human Services; or Communications and the Arts. Enrollment in the Academy elective course offerings will provide juniors and seniors with career and academic preparation for future learning in college and career fields. Students enrolling in the Academy elective courses will be provided with opportunities to participate in shadowing, mentoring, and/or internships with local businesses. Transportation may be provided to Academy locations. Please check with each respective location for transportation schedules relevant to each high school academy. Refer to course descriptions in the *Standard Course Offerings* for specific information on Academy courses.

2009-2010 HIGH SCHOOL ACADEMY COURSE OFFERINGS

CHANTILLY ACADEMY

Engineering and Scientific Technology

Health and Human Services

A+	Culinary Arts	Girls Exploring Engineering (Engineering Sys)
Air Force JROTC	Dental Careers	Hotel Marketing
Animal Science	Early Childhood Careers	Independent Research – Engineering
Automotive Collision Service	Electrical Construction & Engineering	IT Seminar
Automotive Technology	Engineering Math	Medical Assistant
Cisco	Engineering Physics	Network Administration (Microsoft)
Computer Tech Prep	Engineering Systems	Oracle
Construction Technologies	Entrepreneurship	Pharmacy Technician
Cosmetology	Exploring Health Sciences	
Criminal Justice	Exploring the Language of Medicine	

EDISON ACADEMY

International Studies and Business

Engineering and Scientific Technology

A+	Cosmetology	IT Seminar
Animal Science	Culinary Arts	Landscape Architecture & Turf Management
Automotive Collision Service	Electrical Construction & Engineering	Network Administration (Microsoft)
Automotive Technology	Heating, Ventilation, AC, & Refrigeration	Oracle
Cisco	Hotel Marketing	

FAIRFAX ACADEMY Communications and the Arts

Broadcast Journalism	Interior & Commercial Design	Professional Musical Theatre & Actor's Studio
Chinese	Korean	Professional Photography Studio
Dance	Music and Computer Technology	Professional Television Production
Fashion Design	Professional Graphics Studio	

FALLS CHURCH HIGH SCHOOL Health and Human Services

Criminal Justice	Exploring the Language of Medicine	Pharmacy Technician
Dental Careers	Fire and Emergency Medical Sciences	Practical Nursing
Exploring Health Sciences	Medical Assistant	

MARSHALL ACADEMY

International Studies and Business

Engineering and Scientific Technology

A+	Cisco	Engineering Systems
Aerospace Science	Cosmetology	Entrepreneurship
Automotive Collision Service	Criminal Justice	Hotel Marketing
Automotive Technology	Culinary Arts	IT Seminar
Chinese	Engineering Physics	Network Administration (Microsoft)

WEST POTOMAC ACADEMY

Communications and the Arts

Health and Human Services

Criminal Justice	Exploring the Language of Medicine	Pharmacy Technician
Dance	Fashion Design	Physical Therapy/Occupational Therapy
Dental Careers	Interior & Commercial Design	Professional Graphics Studio
Early Childhood Careers	Medical Assistant	Professional Musical Theatre & Actor's Studio
Exploring Health Sciences	Music and Computer Technology	Professional Television Production

PROMOTION POLICY

Middle School

To qualify for promotion, seventh and eighth grade middle school students must demonstrate knowledge and competency based upon identified standards of achievement in the four core areas of language arts, mathematics, science, and social studies. To guarantee promotion, students must master the foundational knowledge and skills in each of the four core subject areas and earn a passing final grade based on grade level expectations.

Students who earn an "F" as a final grade in one or two core subjects are retained and encouraged to attend a summer program. Based upon the extent to which a student demonstrates knowledge and competency of identified standards of achievement in a summer program, he/she is promoted or retained. Students who are promoted will receive continued intervention throughout the following school year. If students do not attend a summer program, they are retained at the discretion of the principal

Students who earn an "F" in three or four core courses are retained.

High School

The minimum requirements for placement in high school grades are as follows:

To be placed in grade:	The student must:
9	Be promoted from 8th grade
10	Earn 5 credits
11	Earn 10 credits
12	Have a planned program providing for sufficient credits to qualify for graduation the following June or August

PASS-FAIL

The Fairfax County School Board policy permits students to take certain courses on a pass-fail basis.

- With parental or guardian approval, any high school student shall be given the option of taking one elective credit per school year to be marked on a pass-fail basis. This may be applied to required physical education credits, foreign language credits, and to credits other than those required for English, social studies, mathematics, and laboratory science and specialized courses such as Principles of Engineering Technology and Senior Technology Research taught at Thomas Jefferson High School for Science and Technology.
- A double or triple-period class taken for two or three credits in the technical fields may be taken on a pass-fail basis as the one pass-fail course per year.
- No student may take more than two-single semester electives or one full-year elective per school year on the pass-fail system except as indicated above.
- Any high school student wishing to take a course as pass-fail shall indicate this by completing a "Pass-Fail Status Request Form" requiring parent approval and returning it to designated school personnel on or before the 22nd school day or by the first half of the first grading period subsequent to entering the course. Students in schools using a semester block schedule must return the parent approval form to the designated school personnel on or before the 11th school day or by the first half of the first grading period subsequent to entering the course. This decision may not be reversed.

- If a student drops a class being taken on a pass-fail basis and transfers to a new class, the student shall have 10 school days to make a decision as to whether the new class will be taken on a pass-fail basis. Students in schools using a semester block schedule shall have 5 school days to make a decision as to whether the new class will be taken on a pass-fail basis, provided it is an elective course. This decision may not be reversed.
- Grades are determined as follows:
 - "P" for an A, B+, B, C+, C, D+, D which will receive credit but will not count in grade-point average.
 - "F" for an F which will receive no credit but will be counted in grade-point average.

CAREER AND TECHNICAL EDUCATION

Course descriptions for Career and Technical Education courses can be found under Business and Information Technology, Family and Consumer Sciences, Health and Medical Sciences, Marketing, Technology Education, Trade and Industrial, and sections of the *Standard Course Offerings* guide. School counselors can provide further information on courses available at the following locations: Chantilly, Edison, Fairfax, Falls Church, Marshall, and West Potomac High School Academies, as well as at Tysons Corner Center, Fair Oaks Shopping Center, and Spring Village Residential Construction Site.

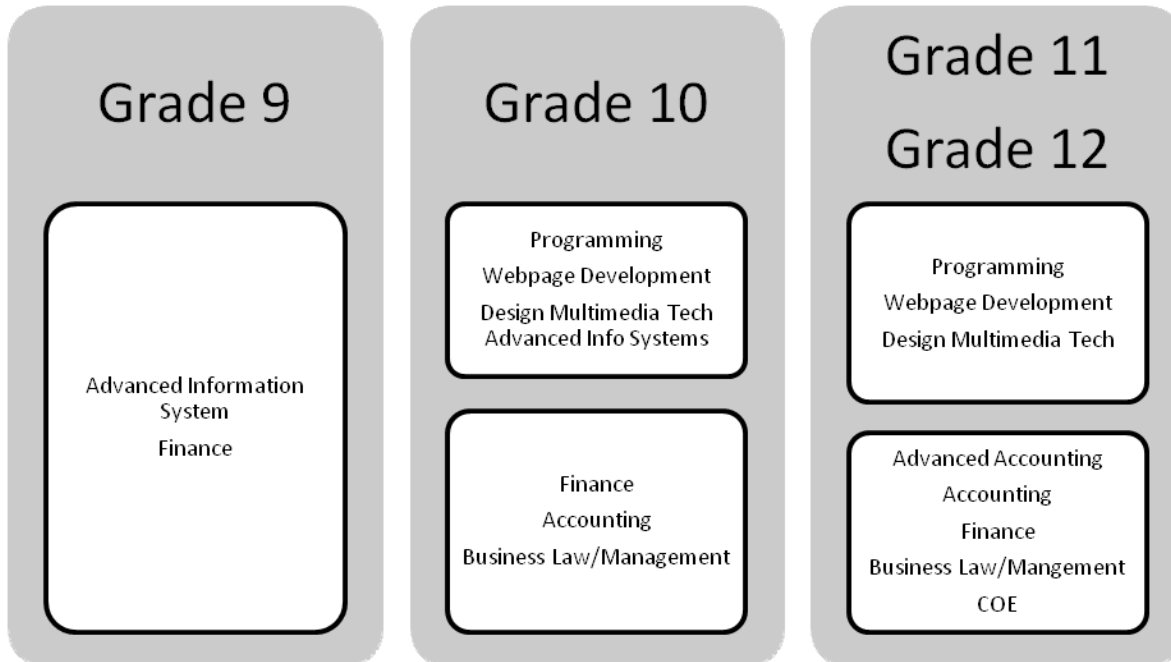
Fairfax County Public Schools (FCPS) has established "articulation agreements" with the Art Institutes of Miami, Philadelphia, and Washington, The Culinary Institute of America, George Mason University, Johnson & Wales University, and Stratford University that allow students to take certain career and technical education classes in high school and receive advanced placement credit. In addition, FCPS has dual enrollment agreements with Northern Virginia Community College (NVCC) whereby students can earn college credits for select career and technical education classes.

STUDENT FEES

Courses that require a student fee for consumable materials have been designated in this catalog. The schedule of divisionwide student fees to be charged for any elective course can be found in Notice 5922 at <http://www.fcps.edu/Directiv>

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BUSINESS & INFORMATION TECHNOLOGY



IC ACCOUNTING (632000) Grades: 10, 11, 12

Credit: one

Accounting offers students the opportunity to learn about the financial operations of modern business enterprises and prepares students to make better financial decisions for the future. Students study accounting concepts for sole proprietorships, partnerships, and corporations to understand the fundamental accounting equation, the business transaction analysis process, and the elements of financial reporting. Interpretation of accounting information is mastered through decision-making and problem-solving approaches that include source documents, case studies, and simulations. Technology integration and related accounting software applications are used to enhance skills to analyze and evaluate financial situations. Internet learning activities are used to reinforce research, communication, and team building skills. Course topics include forms of ownership, accounts receivable/accounts payable systems, payroll, taxes, and banking activities. Upon completion of this course, students will be able to complete an accounting cycle from transactions to financial statements. The cooperative education (Business Cooperative Internship--679920) method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.

IC ADVANCED ACCOUNTING (632100) *ONLINE COURSE* Grades: 10, 11, 12

Prerequisite: Accounting (632000)

Credit: one

Students continue to master accounting principles and procedures, adding new topics about managerial accounting, cost accounting, financial analysis, and business ethics. Content areas include property, plant and equipment, corporate investments, bonds, notes payable and receivables, amortizations, cash flow statements, and ratio analysis for the corporate structure. Spreadsheet analysis and accounting software applications provide the opportunity for higher-level thinking skill activities and authentic simulations enhance teamwork, decision making, and communication skills. Students also develop an understanding of career opportunities as they complete career exploration activities. Upon completion, students should be able to demonstrate an understanding of the principles of decision making, problem solving and critical thinking, and apply them to both business and personal financial situations. The cooperative education (Business Cooperative Internship--679920) method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. This course is also available online.

9-IC ADVANCED INFORMATION SYSTEMS (661300) Grades: 9, 10, 11, 12

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Information Systems (661200), Computer Solutions (615030, 31, 32), Advanced Computer Solutions (660932) or equivalent skill

Advanced Information Systems provides students with the opportunity to develop professional computer and technology skills in a project-oriented and student-centered environment. Working independently or in teams, students apply problem-solving, decision-making, creative-thinking, and communication skills to relevant, real-life situations through a series of software and peripheral applications. Instruction in current and emerging information technology includes operating systems, networking and hardware principles, document preparation, presentation tools, spreadsheet analysis and charts preparation, relational database management, technical writing, desktop publishing, copyright issues, and basic web page design. Upon completion of this course, students will be able to apply technology to analyze and solve problems and to complete technology tasks efficiently and effectively. The cooperative education (Business Cooperative Internship--679920) method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.

BUSINESS LAW (613232) and BUSINESS MANAGEMENT (613632) Grades: 10, 11, 12 Credit: one-half for each semester

BUSINESS LAW (613232)

Business Law provides students with the basic knowledge to become a better informed citizen, employee, and consumer. The course offers students the opportunities to study the nature and function of our legal system, courts, and procedures. Topics include contracts, sales agreements, torts, constitutional law, criminal law, and family law. Students focus on consumer rights and responsibilities, examine legal aspects of employment, research careers in law, and discuss the impact of laws on travelers and those living abroad. Enriched with student projects, debates, mock trials, field trips, guest speakers, and Internet activities, the course helps students understand the laws affecting businesses and consumers.

Students successfully completing this course may be eligible to earn a Career and Technical Education diploma seal.

BUSINESS MANAGEMENT (613632)

Students study basic management concepts and leadership styles as they explore business ownership, planning, economics, international business, and human relations issues such as employee motivation and conflict resolution. Through engaging software simulations, students learn to utilize efficiently and effectively the basic management functions of planning, organizing, staffing, directing, and controlling, and their impact on human and capital resources. Upon completion of this course, students will develop a business plan for a real or simulated business.

Students successfully completing this course may be eligible to earn a Career and Technical Education diploma seal.

9-IC FINANCE (612000) Grades: 9, 10, 11, 12

Credit: one

This course is designed to introduce the student to the basic concepts of personal finance and its increasingly important impact on consumers. Units of study cover the basic principles needed for effective personal financial management and the practical applications of banking, planning and budgeting, taxes, credit, insurance, housing, investing, and retirement planning. Students will also develop a keen understanding of consumer rights, responsibilities, and protection related to the units of study. Finance offers the students the opportunity to learn the skills necessary to manage personal finances and make sound financial decisions through a variety of methods that include the Internet, mathematics applications, financial publications, financial software applications, hands-on activities, and group projects. The cooperative education (Business Cooperative Internship--679920) method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.

IC PROGRAMMING (664000) Grades: 10, 11, 12

Credit: one

Prerequisite: Keyboarding skills and Microsoft Windows knowledge

Students learn to write programs using the Microsoft Visual Basic.net programming language. Programs include decision and looping structures, graphics, sound, animation, and Microsoft Access databases. Students also learn to create web pages using HTML and JavaScript. The cooperative education (Business Cooperative Internship--679920) method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.

Students will use V Binet to program.

IC DESIGN, MULTIMEDIA, AND WEB TECHNOLOGIES (663000) Grades: 10, 11, 12

Credit: one

Prerequisite: Information Systems (661200) or equivalent skill

This product-oriented course introduces the student to multimedia presentations, desktop publications, and web page creation. Hands-on activities are used as students develop skills, master techniques, and prepare products for a client-based environment. Students learn to create professional slideshow presentations using animation, sound, and videos. Students also create brochures, flyers, business advertisements, and many other useful documents using Adobe products. The course also introduces students to document construction for publishing on the World Wide Web using authoring software. Units of instruction include design and layout, typeface selection, electronic scanners and scanned images, image editing, digital cameras and images, and video capturing. Internet research and copyright laws are emphasized. The cooperative education (Business Cooperative Internship--679920) method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.

IC WEB PAGE DEVELOPMENT (663100) Grades: 10, 11, 12

Credit: one

Prerequisite: Information Systems (661200) or equivalent skill

This course provides students the opportunity to study, develop and design sophisticated web pages in a client-based business environment. Basics of HTML, DHTML, scripting, and the use of authoring software are covered. Students are also provided instruction in preparing and editing Web page images, applying advanced design techniques and features, creating vector animations, and managing web site directory structures. Skill development will be achieved through hands-on activities that help students to design web pages for various audiences and uses. The cooperative education (Business Cooperative Internship--679920) method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.

BUSINESS COOPERATIVE INTERNSHIP (679920) (Formerly Cooperative Office Education-COE)

Grades: 10, 11, 12

Credit: one or two

Corequisite: Student must be concurrently enrolled in a business course.

Business Cooperative Internship allows students to apply what they have learned in the classroom to the real world. The internship experience combines a business course with employment in a business-related field that reflects the student's current career interests. The program offers valuable work experience, enhances employment skills, and develops marketable skills. This course, taken in conjunction with another business course, will earn one to two units of credit. Students who successfully complete 396 hours of supervised on-the-job training in a related occupation will earn one credit. Students who successfully complete 720 hours of supervised on-the-job training in a related occupation will earn two credits.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES

ESOL LEVEL 1 (571014)

Grades: 9, 10, 11

Credit: three

Students engage in listening, speaking, reading and writing English through an integrated language arts and content curriculum. Emphasis is placed on building background knowledge and developing academic language proficiency. Students take three periods of ESOL classes: two content-based and one literature-based. Placement is made following assessment by the ESOL entry assessment staff and/or the ESOL teacher. Students enrolled in this course also take 571015 and 571016. It is recommended that students in this course also enroll in World History Concepts and Concepts Science. This course earns elective credits and may be repeated for additional elective credits.

ESOL LEVEL 1 (571017)

Grades: 9, 10, 11

Credit: three

Students engage in listening, speaking, reading and writing English through an integrated language arts and content curriculum. Emphasis is placed on building background knowledge, developing academic language proficiency and increasing writing fluency. Students take three periods of ESOL classes: two content-based and one literature-based. Students enrolled in this course also take 571018 and 571019. Placement is made following assessment by the ESOL entry assessment staff and/or the ESOL teacher. It is highly recommended that students in this course also enroll in World History Concepts and Concepts Science as preparation for World History and Geography 1 and Biology. This course earns elective credits and may be repeated for additional elective credits.

ESOL LEVEL 2 (572091)

Grades: 9, 10, 11

Credit: two

Students continue to develop listening, speaking, reading, and writing skills. They read a variety of fiction and non-fiction texts to increase academic vocabulary. Emphasis is placed on developing reading, writing, and learning strategies in preparation for challenging academic content. Placement in this course is made following assessment by the ESOL teacher and/or ESOL entry assessment staff. Students enrolled in 572091 also take 572092. 572091 is a literature-based class and 572092 is a content-based class. A total of two credits from 572091 and 572092 may be used as foreign language credits. This course may be repeated for elective credit.

ESOL LEVELS 3/4 (573000)

Grades: 9, 10, 11

Credit: one

This course is taken concurrently with Transitional English 9 or English 9. ESOL and English teachers work together to provide a comprehensive program based on the English 9 POS. Students read a variety of literature and relate life situations to literary themes. They continue to develop their reading and writing skills and study the structure of the English language through an integrated language arts curriculum. Students refine their listening and speaking skills through class discussions and oral presentations. Placement in this course is made following

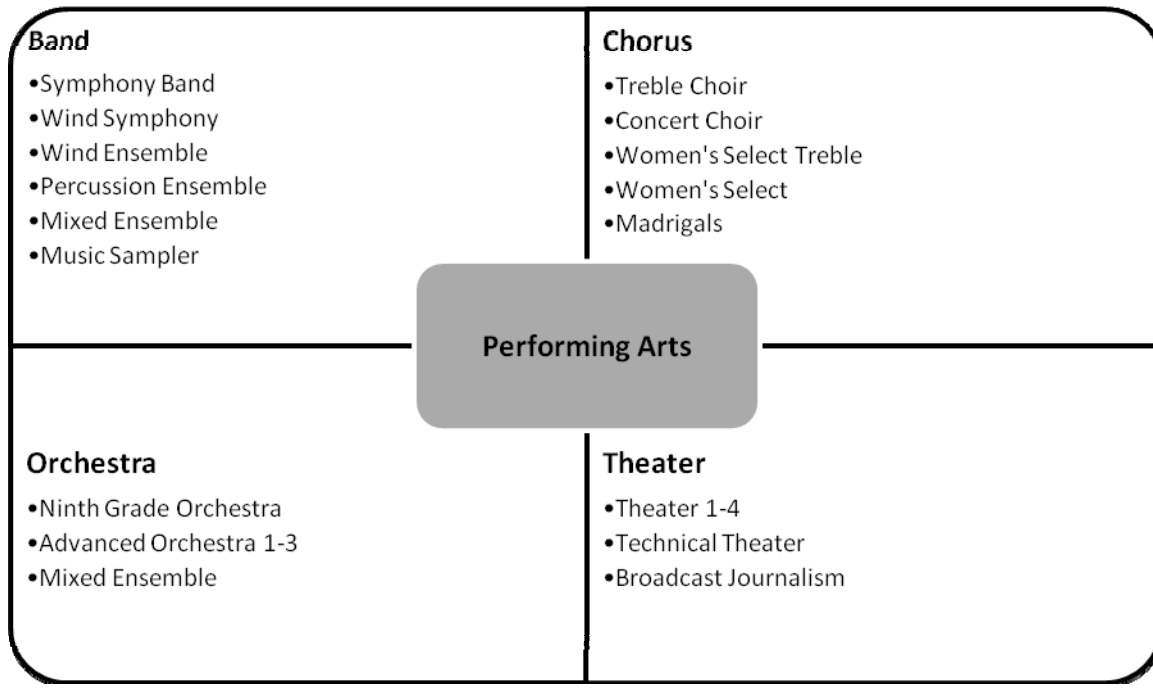
assessment by the ESOL teacher and/or the ESOL entry assessment staff. After completing this course, a student may be recommended for exit from the ESOL program. This course may be repeated for elective credit.

FINE ARTS

All fine arts courses: *band, orchestra, choral, theater, art, photography, and computer graphics courses require a student materials fee as listed in FCPS 5922.*

Auditions are required for all performing groups.

PERFORMING ARTS



BAND

NEW-9 MUSIC SAMPLER (921415) Level 1

Grades: 9, 10, 11, 12

Credit: one

Students are provided the opportunity to sample a variety of musical experiences in a non-performing music class. Course content includes beginning guitar and class piano experience, as well as various modules designed to assist students in developing music reading and composing skills. A study of selected composers and musical compositions are included in this course.

ADVANCED BAND (923415) *Symphony Band*

Level 1

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Successful audition

Students in this course form the representative-performing band for the school. Emphasis is placed on the sequential development of advanced technical skills and on the study of related literature. Based on successful completion of sequential concepts for each level, students will continue as specified in course level. After-school rehearsals and performances are required of all students as a part of the course. Marching band techniques, rehearsals, and performances are included in this course.

ADVANCED BAND (923416) *Wind Symphony*

Level 2

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Successful audition

Students in this course form the representative-performing band for the school. Emphasis is placed on the sequential development of advanced technical skills and on the study of related literature. Based on successful completion of sequential concepts for each level, students will continue as specified in course level. After-school rehearsals and performances are required of all students as a part of the course. Marching band techniques, rehearsals, and performances are included in this course.

ADVANCED BAND (923417) *Wind Ensemble*

Level 3

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Successful audition

Students in this course form the representative performing band for the school. Emphasis is placed on the sequential development of advanced technical skills and on the study of related literature. Based on successful completion of sequential concepts for each level, students will continue as specified in course level. After-school rehearsals and performances are required of all students as a part of the course. Marching band techniques, rehearsals, and performances are included in this course.

Students in Wind Ensemble must audition for ALL District 12 Band and may perform a solo or be in an ensemble at the District 2 Solo/Ensemble Festival.

Only 30 students will be selected by audition for this top level ensemble.

PERCUSSION ENSEMBLE (925015)

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Successful audition

This course is designed to meet specific needs and/or interests. Content includes study of the appropriate ensemble literature, and rehearsal and performance techniques from the various areas of musical composition. Performances and rehearsals, both in and out of school, may be required. Schools may also require membership in intermediate or advanced band class, and may require participation in marching band. Instrumentation of the group is at the discretion of the instructor.

After school performances and rehearsals with and without select band classes are required. Marching band techniques, rehearsals, and performances are included and required in this course.

MIXED ENSEMBLE (925019)

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Successful audition

Corequisite: Membership in intermediate or an advanced band, orchestra, or choir class, will be required and participation in marching band for wind and percussion students.

This course is designed to meet specific needs and/or interests. Content includes study of the appropriate ensemble literature, and rehearsal and performance techniques from the various areas of musical composition. Performances and rehearsals, both in and out of school, may be required. Schools may also require membership in intermediate or advanced band or orchestra class. Instrumentation of the group is at the discretion of the instructor.

Two sections will be offered: one for string orchestra students and one for band students.

ORCHESTRA

INTERMEDIATE ORCHESTRA (923816) Freshmen Orchestra

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Attainment of beginning level skills and permission of instructor.

The course offers instruction in the development of intermediate and advanced performing skills, including individual playing and ensemble techniques, and disciplinary skills needed for performance. After-school rehearsals and performances are required of all students as a part of the course.

ADVANCED ORCHESTRA (923915) Concert Orchestra

Level 1

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Successful audition

Students in this course form the representative string performing group for the school. Emphasis is placed on the development of technical, ensemble, and disciplinary skills necessary for refined rehearsal and performance both in and out of school. Based on successful completion of sequential concepts for each level, students will continue as specified in course level. After-school rehearsals and performances are required of all students as a part of the course.

ADVANCED ORCHESTRA (923916) Symphonic Orchestra

Level 2

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Successful audition

Students in this course form the representative string performing group for the school. Emphasis is placed on the development of technical, ensemble, and disciplinary skills necessary for refined rehearsal and performance both in and out of school. Based on successful completion of sequential concepts for each level, students will continue as specified in course level. After-school rehearsals and performances are required of all students as a part of the course.

ADVANCED ORCHESTRA (923917) Philharmonic Orchestra

Level 3

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Successful audition

Students in this course form the representative string performing group for the school. Emphasis is placed on the development of technical, ensemble, and disciplinary skills necessary for refined rehearsal and performance both in and out of school. Based on successful completion of sequential concepts for each level, students will continue as specified in course level. After-school rehearsals and performances are required of all students as a part of the course.

MIXED ENSEMBLE (925019)

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Successful audition

Corequisite: Membership in intermediate or an advanced band, orchestra, or choir class, will be required and participation in marching band for wind and percussion students.

This course is designed to meet specific needs and/or interests. Content includes study of the appropriate ensemble literature, and rehearsal and performance techniques from the various areas of musical composition. Performances and rehearsals, both in and out of school, may be required. Schools may also require membership in intermediate or advanced band or orchestra class. Instrumentation of the group is at the discretion of the instructor.

Two sections will be offered: one for string orchestra students and one for band students.

CHORUS

WOMEN'S CHORUS (926016) Treble Choir

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: none

Beginning level students will participate in a chorus of women's voices. Emphasis is placed upon correct vocal performance techniques through the singing of appropriate choral literature. Rehearsals and performances, both in and out of school, may be required.

This course requires a student materials fee as listed in FCPS Notice 5922.

ADVANCED MIXED CHORUS (928915) Concert Choir

Level 1

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Successful audition

Students are offered advanced choral experiences for mixed voices. Emphasis is placed on the development of musicianship and proficiency in ensemble performance. Course content includes a study of choral literature, vocal techniques, and sight-singing. Based on successful completion of sequential concepts for each level, students will continue as specified in course level. Rehearsals and performances both in and out of school are required.

This course requires a student materials fee as listed in FCPS Notice 5922.

INTERMEDIATE WOMEN'S CHORUS (928516) Women's Select Choir

Grades: 9, 10, 11, 12

Credit: one

Intermediate level women's chorus will provide for the continued study of correct vocal production and development of musicianship through the study of appropriate choral literature. Rehearsals and performances, both in and out of school, are required.

This course requires a student materials fee as listed in FCPS Notice 5922.

ADVANCED WOMEN'S CHORUS (928916) Women's Chamber Choir

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Successful audition

Students are offered advanced choral experiences for women's voices. Emphasis is placed on the development of musicianship and proficiency in ensemble performance. Course content includes a study of choral literature, vocal techniques, and sight-singing. Based on successful completion of sequential concepts for each level, students will continue as specified in course level. Rehearsals and performances both in and out of school are required.

Students in Women's Chamber choir must also register for Concert Choir(928915).

VOCAL ENSEMBLE (928015) Madrigals

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Successful audition

Corequisite: Schools may require membership in intermediate or advanced choral class.

This class is designed to meet specific needs and/or interests. Content includes study of the appropriate ensemble literature, and rehearsal and performance techniques from the various areas of musical composition. Performances and rehearsals, both in and out of school, may be required. Schools may also require membership in intermediate or advanced choral class. Voicing of the group is at the discretion of the instructor.

Students in Madrigals must also register for Concert Choir(928915).

THEATRE ARTS

9 THEATRE ARTS 1 (141000)

Grades: 9, 10, 11, 12

Credit: one

Theatre Arts 1 provides students with a survey of the theatre arts, allowing students opportunities to experience and appreciate dramatic literature, and participate in the creative processes of performance and production. The course emphasizes skill development and provides theatrical opportunities that enable students to determine personal areas of interest. Participation in co-curricular theatre productions may be arranged.

THEATRE ARTS 2 (142000)

Grades: 10, 11, 12

Credit: one

Prerequisite: Theatre Arts 1 and/or recommendation of the theatre arts instructor.

Theatre Arts 2 integrates and builds upon concepts and skills from Theatre Arts 1. Through various modes of expression and performance, students investigate dramatic literature, theatrical styles, and historical periods. Students will study and respond to a variety of theatre experiences that will refine their communicative, collaborative, analytical, interpretive, and problem solving skills. Students will expand their artistic abilities and appreciation of the theatrical arts. Participation in co-curricular theatre productions may be arranged.

THEATRE ARTS 3 (143000)

Develop Independent Skills in Theatre

Grades: 11, 12

Credit: one

Prerequisite: Theatre Arts 2 and/or recommendation of the theatre arts instructor.

Students exhibit independence, discipline, and commitment to the theatre process through their work on assigned projects. Advanced work in acting skills and preparation, play analysis, and character interpretation are expected. Collaboration with actors and directors is augmented by special assignments and opportunities. Participation in co-curricular theatre productions may be required.

THEATRE ARTS 4 (144000)

Grades: 12

Credit: one

Prerequisite: Theatre Arts 3 and/or recommendation of the theatre arts instructor.

Students identify areas of special interest in theatre arts, and initiate and complete major research and/or creative projects, such as playwriting, producing, directing, designing, and stage-managing. Emphasis is placed on in-depth study and completion of projects, assumption of leadership roles, and expansion of criteria for self-evaluation. Students will analyze and evaluate scripts, concentrate on vocal and physical dramatics, and undertake a special theatre project in their area of specialization. Students are expected to assume leadership positions in co-curricular theatre productions. Participation in major projects related to the co-curricular theatre productions may be required.

TECHNICAL THEATRE 1 (143511)

Grades: 10, 11, 12

Credit: one

Prerequisite: Theatre Arts 1 and/or recommendation of the theatre arts instructor.

Students explore various areas of technical theatre such as lighting, costumes, sound, scenery, makeup, properties, and theatre management. An analysis of dramatic literature leads students to an understanding of the design and production process. Participation in co-curricular productions is strongly encouraged.

NEW BROADCAST JOURNALISM (122000)

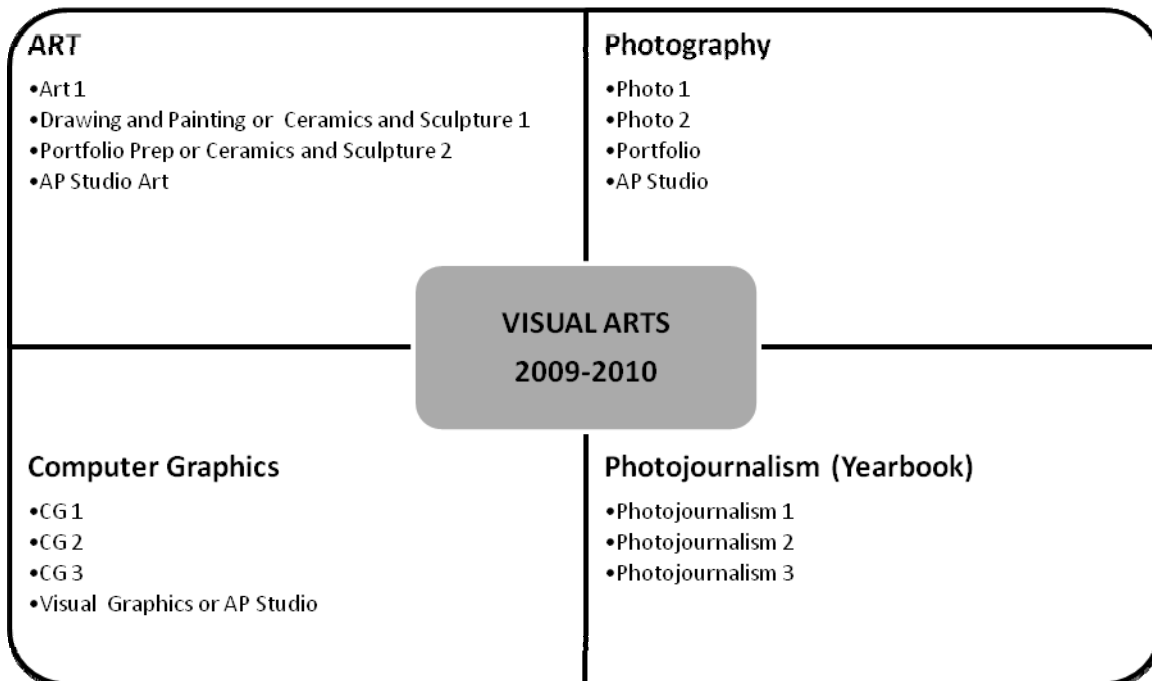
Grades: 10, 11, 12

Credit: one

Prerequisite: Journalism 1

In this course, students will learn and practice the language and processes of broadcast journalism and reporting. They will develop an understanding of the role and responsibilities of broadcast journalists.

VISUAL ARTS



ART/ 2-D STUDIO ART

9 ART 1 (912000)
Grades: 9, 10, 11, 12

Credit: one

Art 1 offers a wide range of exciting opportunities to learn and practice a variety of artistic processes. Focus is placed on the exploration of individual interests while developing skills in the areas of drawing, painting, printmaking, ceramics, sculpture, and digital media. Students are taught to think conceptually and are encouraged to realize their potential as creative and critical thinkers as they prepare to meet the challenges of 21st century living. Course content includes art production, art appreciation, and studies in visual culture.

DRAWING (2-D STUDIO ART) (916033) and PAINTING (2-D STUDIO ART) (916064)

Grades: 10, 11, 12 Credit: one-half for each semester

Prerequisite: ART 1 or Sophomore standing

DRAWING (2-D STUDIO ART) (916033)

Students practice and refine drawing techniques and skills. Emphasis is placed on exploration, creative thinking, self-expression and skill development. Students study the history of art as it relates to drawing and make connections between their own work and the work of recognized artists. Results are maintained in a drawing portfolio.

PAINTING (2-D STUDIO ART) (916064)

Students apply and refine painting techniques and skills. Emphasis is placed on exploration of a variety of approaches to painting, creative thinking, self-expression, and skill development. Students study the history of art as it relates to painting and make connections between their own work and the work of recognized artists. Results are maintained in a painting portfolio.

AP ADVANCED PLACEMENT ART: DRAWING PORTFOLIO (915004)
Grades: 11, 12

Credit: one/weighted +.5

Prerequisite: ART 1 and ART 2 or permission of the instructor

This course is designed for highly motivated, advanced art students who have demonstrated a serious interest in the study of art. Ideally suited for students who work well independently, the course will focus on the preparation of a drawing portfolio of artworks that exhibit quality, concentration in an area of visual interest or problem solving, and breadth of experience in the formal, technical, and expressive means of an artist. The drawing portfolio addresses a broad interpretation of drawing issues including painting, printmaking, studies for sculpture, some forms of design, and abstract and observational works. Students will prepare and submit drawing portfolios based on objectives that reflect the format and requirements established by the College Board for Advanced Placement Studio Art. Advanced Placement college credit and/or placement may be awarded if a qualifying exam score is achieved. All students are required to take Advanced Placement Art: Studio Art Drawing exam.

ART/3-D STUDIO ART

CERAMICS 1 (3-D STUDIO ART) (917563) and SCULPTURE 1 (3-D STUDIO ART) (919733)

Grades: 10, 11, 12 Credit: one-half for each semester

Prerequisite: ART 1 or Sophomore standing

CERAMICS 1 (3-D STUDIO ART) (917563)

Students apply three-dimensional design and ceramic techniques. Emphasis is placed on exploration of media and a variety of approaches to ceramics. Focus is placed on creative thinking, self-expression, skill development, and quality craftsmanship. Students study the history of art as it relates to ceramics and make connections between their own work and the work of recognized artists. Documentation of work is maintained in a ceramic portfolio.

SCULPTURE 1 (3-D STUDIO ART) (919733)

Students apply and refine three-dimensional design and sculpture techniques. They explore a variety of materials and approaches in the process of creating sculptures. Emphasis is placed on creative thinking, self-expression, skill development, and quality craftsmanship. Students study the history of art as it relates to sculpture and make connections between their own work and the work of recognized artists. Documentation of work is maintained in a sculpture portfolio.

CERAMICS 2 (3-D STUDIO ART) (917668) and SCULPTURE 2 (3-D STUDIO ART) (919761)

Grades: 10, 11, 12 **Credit: one-half for each semester**

Prerequisite: CERAMICS 1 (3-D STUDIO ART) and Sculpture 1 (3-D STUDIO ART)

CERAMICS 2 (3-D STUDIO ART) (917668)

Students engage in advanced study of ceramics. They acquire and apply in-depth knowledge of three-dimensional processes in the creation of original artworks as they apply to ceramics. Historical and cultural styles and leading exponents of ceramics are studied. Critique and evaluation processes are used in the analysis of artworks. Professional exhibition techniques are applied in arranging a display of their own work and the work of others. Students compile a portfolio evidencing quality, concentration, and breadth of experience.

SCULPTURE 2 (3-D STUDIO ART) (919761)

Students engage in advanced study of sculpture. They acquire and apply in-depth knowledge of three-dimensional processes in the creation of original artworks as they apply to sculpture. Historical and cultural styles and leading exponents of sculpture are studied. Critique and evaluation processes are used in the analysis of artworks. Professional exhibition techniques are applied in arranging a display of their own work and the work of others. Students compile a culminating portfolio evidencing quality, concentration, and breadth of experience.

ART 4: PORTFOLIO PREPARATION GENERAL (914700)

Grades: 12 **Credit: one**

Students engage in advanced study of art production, art history, aesthetics, and art criticism, while maintaining the attitude and self-discipline of a working artist. They exhibit technical proficiency and personal style while working in advanced media. They curate art exhibitions of their own work, using professional exhibition techniques. An exit portfolio giving evidence of quality, concentration, and breadth of experience is required. A presentation portfolio showing the student's highest level of achievement is selected from the exit portfolio.

AP ADVANCED PLACEMENT ART: 3-D DESIGN PORTFOLIO (914961)

Grades: 11, 12

Credit: one/weighted +.5

Prerequisite: ART 1 and ART 2 or permission of the instructor

This course is designed for highly motivated, advanced art students who have demonstrated a serious interest in the study of art. Ideally suited for students who work well independently, the course will focus on the preparation of a three-dimensional design portfolio of artworks that exhibit quality, concentration in an area of visual interest or problem solving, and breadth of experience in the formal, technical, and expressive means of an artist. The three-dimensional portfolio may include, but is not limited to, traditional sculpture, architectural models, ceramics, and three dimensional fiber arts or metal work. Students will submit three-dimensional portfolios based on objectives that reflect the format and requirements established by the College Board for Advanced Placement Studio Art. Advanced Placement college credit and/or placement may be awarded if a qualifying exam score is achieved. All students are required to take the Advanced Placement Art: 3-D Design exam.

PHOTOGRAPHY

9 PHOTOGRAPHY 1 (919311)

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: ART 1 or permission of the instructor

Students are introduced to standard black and white photographic processes through the use of cameras, films, light effects, and application of basic darkroom techniques. Digital photographic processes are introduced. Emphasis is placed on photographic production and self-expression. Study includes an overview of the history of photography and the work of well known photographers. A beginning portfolio is developed.

PHOTOGRAPHY 2 (919411)

Grades: 10, 11, 12

Credit: one

Prerequisite: PHOTOGRAPHY 1

Students expand on the study of black and white photography and digital processes. They acquire and apply in-depth knowledge of photographic equipment, films, and specialized processes to include digital applications. Leading exponents, equipment, and techniques are introduced in their historical context. Students learn to critique, and evaluate their own work and recognized photographic works of art. They examine photography and its relationship to other art forms. A portfolio emphasizing communication of content and meaning and quality of craftsmanship is maintained.

PHOTOGRAPHY 3: PORTFOLIO PREPARATION (919511)

Grades: 11, 12

Credit: one

Prerequisite: PHOTOGRAPHY 2

Students engage in advanced study of photographic processes. They practice the attitude and self-discipline of a working artist. A final portfolio evidencing technical proficiency, quality, concentration, and breadth of experience is required. Students apply professional exhibition techniques to exhibit their own work and the work of others. Exceptional initiative and commitment to communication of ideas through the use of the photographic medium is expected.

AP ADVANCED PLACEMENT ART: 2-D DESIGN PORTFOLIO (914804) for Photography

Grades: 11, 12

Credit: one/weighted +.5

Prerequisite: ART 1 and ART 2 or permission of the instructor

This course is designed for highly motivated, advanced art students who have demonstrated a serious interest in the study of art. Ideally suited for students who work well independently, the course will focus on the preparation of a two-dimensional design portfolio of artworks that exhibit quality, concentration in an area of visual interest or problem solving, and breadth of experience in the formal, technical, and expressive means of an artist. The two-dimensional portfolio may include, but is not limited to, forms of artwork in graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. Students will submit two-dimensional portfolios based on objectives that reflect the format and requirements established by the College Board for Advanced Placement Studio Art. Advanced Placement college credit and/or placement may be awarded if a qualifying exam score is achieved. All students are required to take the Advanced Placement Art: 2-D Design exam.

COMPUTER GRAPHICS

9 COMPUTER GRAPHICS 1 (918011)

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: ART 1 or permission of the instructor

Students develop skills in creating personally expressive art through the use of the computer. Emphasis is placed on creative thinking and visual problem solving. Units of instruction focus on developing expertise in the use of computers, scanners, and digital cameras. Software applications include Adobe Photoshop (digital imaging), Adobe Illustrator (illustration and graphic design), Bryce 3-D (animation and landscape design) and other available programs. Ethical issues concerning computer generated imagery are addressed. No prior computer knowledge is required.

COMPUTER GRAPHICS 2 (918111)

Grades: 10, 11, 12

Credit: one

Prerequisite: COMPUTER GRAPHICS 1

Students expand their knowledge in the application of hardware and software to create personally expressive original art. Complex visual problems are introduced within the areas of web-page design and development, multimedia presentations, animation, graphic design, and digital imaging. Based upon the computer graphics lab capabilities, additional software may include Flash, (animation, web development, and interactive gaming), GoLive and Dreamweaver (web-authoring), and Adobe Premier (video editing). A final portfolio is required for evaluation.

COMPUTER GRAPHICS 3: PORTFOLIO PREPARATION (918211)

Grades: 11, 12

Credit: one

Prerequisite: COMPUTER GRAPHICS 2

Students engage in the advanced study and application of computer graphics while developing the attitude and self-discipline of a working artist. Students integrate advanced knowledge of software with creative thinking skills to produce a portfolio of artworks that shows evidence of quality, concentration, and breadth of experience.

VISUAL COMMUNICATIONS 1 (915311)

Grades: 11, 12

Credit: one

Prerequisite: ART 1 or permission of the instructor

Students develop and apply techniques in visual communication using traditional and electronic media. Emphasis is placed on the creation of original works for a variety of intended purposes to include but not limited to personal, commercial, informational, social, cultural and environmental. Students develop an understanding of ways in which artists communicate meaningful ideas for a specific purpose or intent. Ethical issues related to the field of visual communications are addressed. Students maintain a traditional and non-traditional sketchbook in addition to compiling a beginning visual communications portfolio.

AP ADVANCED PLACEMENT ART: 2-D DESIGN PORTFOLIO (914804) for Computer Graphics

Grades: 11, 12

Credit: one/weighted +.5

Prerequisite: ART 1 and ART 2 or permission of the instructor

This course is designed for highly motivated, advanced art students who have demonstrated a serious interest in the study of art. Ideally suited for students who work well independently, the course will focus on the preparation of a two-dimensional design portfolio of artworks that exhibit quality, concentration in an area of visual interest or problem solving, and breadth of experience in the formal, technical, and expressive means of an artist. The two-dimensional portfolio may include, but is not limited to, forms of artwork in graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. Students will submit two-dimensional portfolios based on objectives that reflect the format and requirements established by the College Board for Advanced Placement Studio Art. Advanced Placement college credit and/or placement may be awarded if a qualifying exam score is achieved. All students are required to take the Advanced Placement Art: 2-D Design exam.

YEARBOOK

9 PHOTOJOURNALISM 1 (121500) YEARBOOK

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Journalism 1 or instructor permission

Photojournalism 1 provides students opportunities for learning and participating in the design, layout, and overall production of the high school yearbook; developing yearbook copywriting skills; and applying knowledge of photography. This course may provide a sequential elective when taken following Journalism 1.

PHOTOJOURNALISM 2 (121600) YEARBOOK

Grades: 10, 11, 12

Credit: one

Prerequisite: Photojournalism 1 or approval of instructor.

Photojournalism 2 provides students opportunities for learning the role of editorial leadership, developing a personal sense of professionalism, refining copywriting skills, and becoming productive members of the high school yearbook staff. This course may provide a sequential elective when taken following Photojournalism 1.

PHOTOJOURNALISM 3 (121700) YEARBOOK

Grades: 11, 12

Credit: one

Prerequisite: Photojournalism 2 or approval of instructor.

Photojournalism 3 provides students with opportunities for learning marketable publications skills, developing individual style, and assuming editorial leadership roles and responsibilities for the high school yearbook. This course may provide a sequential elective when taken following Photojournalism 2.

FOREIGN LANGUAGE (WORLD LANGUAGES)

A student will be recommended to enroll in the next level of a language class if the student's grade in the previous course is C+ or better. Students with lower grades should repeat the previous course before attempting the next higher level. Parents who wish that their child go forward against these recommendations must realize that the student's chances for success in the language are diminished.



9 FRENCH 1 (511000)
GERMAN 1 (521000)
LATIN 1 (531000)
RUSSIAN 1 (541000)
SPANISH 1 (551000)

Grades: 8, 9, 10, 11, 12
Prerequisite: none

Credit: one

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 POS themes of Personal and Family Life, School Life, Social Life, and Community Life. For middle school students, this credit becomes a part of the high school transcript, is included in the determination of the high school grade point average (GPA), and counts toward fulfilling the foreign language requirements of the high school diploma. It also counts toward the total number of credits required for graduation.

Seniors should be in an upper level of a foreign language.

9 FRENCH 2 (512000)
GERMAN 2 (522000)
LATIN 2 (532000)
RUSSIAN 2 (542000)
SPANISH 2 (552000)

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Level 1 or equivalency test

Students continue to develop proficiency in all four language skills - listening, speaking, reading, and writing - with emphasis on the ability to communicate orally and in writing. They learn to function in real-life situations using more complex sentences and language structures. They read material on familiar topics and produce short writing samples. Students continue to explore as they study the POS themes of Home Life, Student Life, Leisure Time, and Vacation and Travel.

FRENCH 3 (513000)
GERMAN 3 (523000)
LATIN 3 (533000)
RUSSIAN 3 (543000)
SPANISH 3 (553000)

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Level 2 or equivalency test

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 are able to identify significant details when the topics are familiar. Students gain a deeper understanding of the world around them while studying the POS themes of Rights and Responsibilities, Future Plans and Choices, Teen Culture, Environment, and Humanities.

FRENCH 4 (514000)
GERMAN 4 (524000)
LATIN 4 (534000)
RUSSIAN 4 (544000)
SPANISH 4 (554000)

Grades: 10, 11, 12

Credit: one

Prerequisite: Level 3 or equivalency test

Students develop more sophisticated communication skills in all four areas - listening, speaking, reading and writing - with emphasis on the ability to interact orally and in writing. The authentic reading selections are emphasized at this level. Students communicate using more complex language structures and express abstract ideas with reasonable fluency. Students are able to create and listen with understanding to reports and presentations. They are also able to describe, summarize and discuss selected upper level POS themes and topics.

FRENCH 5 (515000)
GERMAN 5 (525000)
SPANISH 5 (555000)

Grades: 11, 12

Credit: one

Prerequisite: Level 4, or Advanced Placement Language, or equivalency test

Students study selected upper level POS themes and topics using more sophisticated communication skills in all four areas – listening, speaking, reading and writing – with emphasis on the ability to interact orally and in writing. They participate in in-depth studies of major literary works and historical events and learn to recognize the various themes and conflicts involved. Students express abstract ideas while discussing literature, history, and current events.

Seniors who completed Spanish 3 may move to either Spanish 5 or AP Spanish.

AP **ADVANCED PLACEMENT FRENCH LANGUAGE (517004)**
ADVANCED PLACEMENT GERMAN LANGUAGE (527004)
ADVANCED PLACEMENT JAPANESE LANGUAGE (597004)
ADVANCED PLACEMENT RUSSIAN LANGUAGE (546004)
ADVANCED PLACEMENT SPANISH LANGUAGE (557004)

Grades: 11, 12

Credit: one/weighted +.5

Prerequisite: Level 4 or equivalency test

The purpose of this course is to prepare students to take the Advanced Placement Language examination given each spring, for which placement and/or credit may be awarded at the college level if a qualifying score is obtained. Students study the use of language for active communication. Specifically, they understand the spoken target language in both formal and conversational situations. They express ideas accurately and resourcefully, both orally and in writing, with reasonable fluency, and they develop a vocabulary sufficiently ample for reading newspaper and magazine articles, contemporary literature, and other nontechnical writings. They receive extensive training in the organization and writing of compositions, review syntax, and study selected works by contemporary authors. Materials will include recordings, films, newspapers, and magazines. All students are required to take the Advanced Placement French Language exam.

AP **ADVANCED PLACEMENT LATIN - VERGIL (537004)**
Grades: 11, 12

Credit: one/weighted +.5

Prerequisite: Latin 3, Latin 4, or equivalency test

The purpose of this course is to prepare students to take the Advanced Placement examination, for which placement and/or credit may be awarded at the college level if a qualifying score is achieved. Students study the literary techniques used by Roman authors, with emphasis on refining the student's ability to read and understand Latin poetry, and on comprehending and interpreting the readings from Vergil. Passages designated by the College Board syllabus of Vergil's Aeneid are read for comprehension and poetic meter. The passages are analyzed for content, connotation of words, and style. Students will study the life and times of Vergil, the poetic devices used in his writings, his influence on later writers, and the literary importance of the Aeneid. All students are required to take the Advanced Placement Latin - Vergil exam.

JAPANESE 1 (591000)

Grades: 8, 9, 10, 11, 12

Credit: one

Prerequisite: none

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. The Kana system of writing, along with some basic characters, is taught in this course. Students begin to explore and study the themes of Personal and Family Life, School Life, Social Life, and Community Life. For middle school students, this credit becomes a part of the high school transcript, is included in the determination of the high school grade point average (GPA), and counts toward fulfilling the foreign language requirements of the high school diploma. It also counts toward the total number of credits required for graduation.

JAPANESE 2 (592000)

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Japanese 1 or equivalency test

Students continue to develop proficiency in all four language skills - listening, speaking, reading, and writing - with emphasis on the ability to communicate orally and in writing. They learn to function in real-life situations using more complex sentences and language structures. They read material on familiar topics and produce short writing samples. Students continue to explore as they study the themes of Home Life, Student Life, Leisure Time, and Vacation and Travel.

JAPANESE 3 (593000) Grade 9 Japanese Immersion Students begin at this level.

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Japanese 2 or equivalency test

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 a deeper understanding of the world around them while studying Rights and Responsibilities, Future Plans and Choices, Teen Culture, Environment, and Humanities.

JAPANESE 4 (594000)

Grades: 10, 11, 12

Credit: one

Prerequisite: Japanese 3 or equivalency test

Students develop more sophisticated communication skills in all four areas – listening, speaking, reading and writing – with emphasis on the ability to interact orally and in writing. The authentic reading selections are emphasized at this level. Students communicate using more complex language structures and express abstract ideas with reasonable fluency. Students are able to create and listen with understanding to reports and presentations. They are also able to describe, summarize and discuss selected upper level POS themes and topics.

JAPANESE 5 (595000)

Grades: 11, 12

Credit: one

Prerequisite: Level 4 or equivalency test

Students study selected upper level POS themes and topics using more sophisticated communication skills in all four areas - listening, speaking, reading, and writing - with emphasis on the ability to interact orally and in writing. They participate in in-depth studies of major literary works and historical events and learn to recognize the various themes and conflicts involved. Students express abstract ideas while discussing literature, history, and current events.

GENERAL

NATURE OF KNOWLEDGE (982000)

Grades: 11, 12

Credit: one

This course is designed for students who want to explore the relationship between the various fields of knowledge and to examine how we learn. Students make connections between their classroom and non-classroom knowledge and experiences by examining four ways of thinking -- analytical, empirical, moral, and aesthetic. Students will develop an understanding of the role of language, logic, sense perception, and emotion in acquiring knowledge in the various fields, including mathematics, natural science, human science, history, arts, and ethics as well as the effect of value judgment, bias, and culture across the disciplines.

This course is designed for the student enrolled in 2 or more AP courses during the 2009-10 school year.

LEADERSHIP TRAINING 1 (980800)

Grades: 9, 10, 11, 12

Credit: one

This course provides leadership training to interested students. It is especially appropriate for student body officers, organizational leaders, and class officers. The course includes understanding leadership, assessment of leadership styles, planning and organization skills, relationship building and problem solving. Focus will be placed on organization, time management, election processes, financial planning, opinion surveys, communication techniques, and community liaison. Student government and class activities will be the basis around which most of the course work is designed.

This is a course for the student who is in an identified leadership position in the school.

PEER HELPING I (980760)

Grades: 11, 12

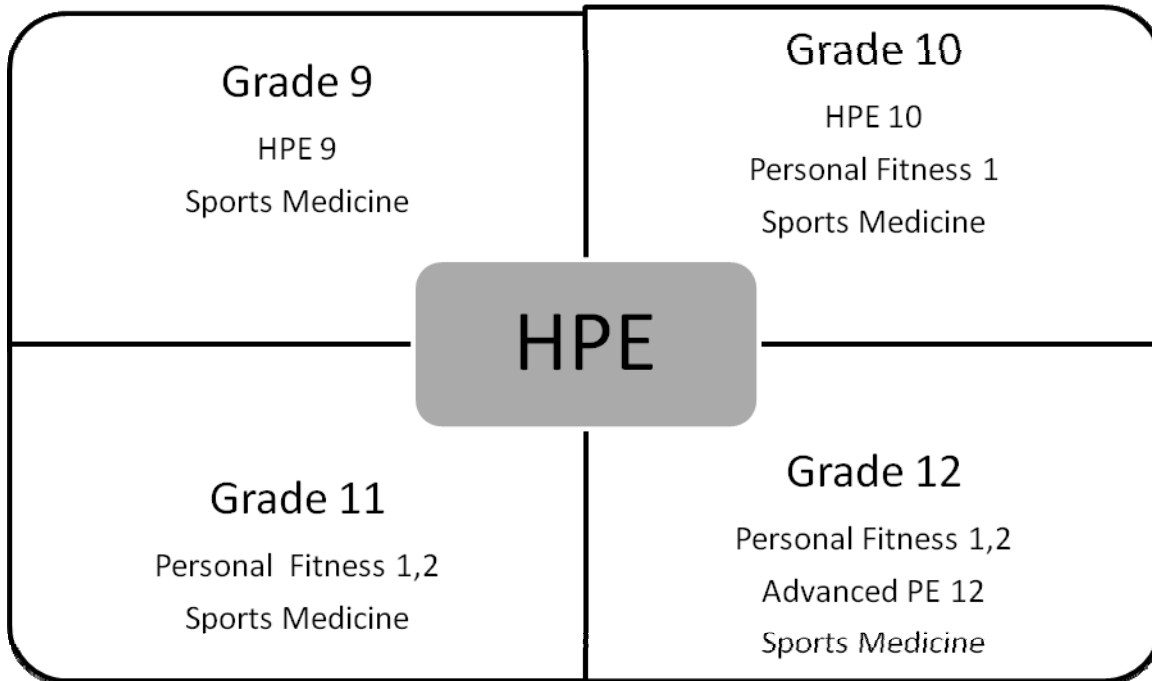
Credit: one

Prerequisite: Successful completion of the selection procedures including application, recommendations, and interview. Approval by the peer helper program instructors and the Director of Student Services is required.

High School: This course is designed to train students to implement a peer helper program in the high school. The training program is designed to develop students' interpersonal, support, and leadership skills for assisting other students to grow socially, emotionally, and academically. Students are taught to help other students (elementary and secondary) by learning to be effective listeners, group leaders, and positive role models. The course presents information and training in the following areas of peer helping preparation: verbal and nonverbal communication, self-exploration and self-esteem, listening skills, decision making/problem solving, peer refusal skills, substance abuse prevention, confidentiality and referral procedures. Emphasis is placed on experiential learning, supervised group activities, and skills practice. Middle School: This is an elective course designed to train and facilitate a peer helper program in the middle school. The course provides an opportunity for students to develop their support and leadership skills in assisting others. Students are taught to help peers by learning to be more effective listeners, developing friendship skills, becoming group leaders, and being positive role models. Course topics include self-esteem and self-exploration, communication skills, peer refusal skills, substance abuse prevention, and decision-making and problem-solving techniques. Student activities include friendly support to peers, orientation of new students, elementary outreach, and community service programs.

Students will work closely with the Special Education Department.

HEALTH and PHYSICAL EDUCATION



9 HEALTH AND PHYSICAL EDUCATION 9 (730000)

Grades: 9

Credit: one

Students gain knowledge and skills in a variety of individual, dual, and team sports to develop competencies to promote an active lifestyle. Personal fitness and planning concepts are taught. One quarter of the course includes instruction in the health education topics of drug use prevention: alcohol, tobacco, and other drugs, emotional and social health, personal health, injury and violence prevention, disease prevention, and cardiopulmonary resuscitation and automated external defibrillation (CPR and AED).

HEALTH AND PHYSICAL EDUCATION 10 (740500)

Grades: 10

Credit: one

Prerequisite: Successful completion of Health and Physical Education, grade 9

Students demonstrate competency in a lifetime sport or activity and demonstrate personal fitness assessment, and an understanding of planning and monitoring. One quarter of the course includes instruction in the health education topics; personal and community health, nutrition, human growth and development, and injury and violence prevention. One quarter of the course includes the classroom component of driver education. All quarter grades are averaged to determine the final HPE grade.

9 SPORTS MEDICINE (763000)

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Successful completion or concurrent enrollment in biology.

Topics include medical professions, anatomy and physiology of skeletal and muscular systems, kinesiology, types of injuries, injury prevention and nutrition. Students may not take this course in lieu of the grade 9 or grade 10 Health or Physical Education requirements.

PERSONAL FITNESS - LEVEL 1 (764011)

Grades: 10, 11, 12

Credit: one

Prerequisite: Successful completion of Health and Physical Education, grade 9

Students study and apply concepts related to human anatomy and physiology, kinesiology, nutrition, and personal fitness planning. Students will develop and participate in a personal fitness program to improve cardiorespiratory endurance, flexibility, muscular strength and endurance, and body composition. Students may not take this course in lieu of the grade 9 or grade 10 Health and Physical Education requirements.

PERSONAL FITNESS - LEVEL 2 (764012)

Grades: 11, 12

Credit: one

Prerequisite: Successful completion of Personal Fitness - Level 1

Students extend and enrich their knowledge and the application of human anatomy and physiology, kinesiology, nutrition, and personal fitness planning. Students will develop and participate in a personal fitness program to improve cardiorespiratory endurance, flexibility, muscular strength and endurance, and body composition. Students will utilize concepts to assess, plan, monitor, and modify their individual personal fitness plan. Students may not take this course in lieu of the grade 9 or grade 10 Health and Physical Education requirements.

ADVANCED PHYSICAL EDUCATION 12 (761000)

Grades: 12

Credit: one

Prerequisite: Successful completion of grade 9 and grade 10 health and physical education.

Students continue to learn and master and/or refine lifetime sports activities with emphasis on health and sports related fitness, as they relate to attainment of a healthy lifestyle. Students may elect this course in grade 12. Students may not take this course in lieu of Health and Physical Education grade 9 or 10 requirement.

ADAPTED PHYSICAL EDUCATION (770011)

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Students must have an Individual Education Plan (IEP) for course enrollment.

Adapted physical education is a developmental course for general education and/or special education students. The course serves students who are temporarily or permanently physically disabled or have deficiencies in motor coordination and/or physical fitness. The program is individualized and is directed toward improvement of deficiencies.

HUMANITIES

The English and social studies provide an interdisciplinary humanities approach during the ninth, tenth, and eleventh grade years. At each grade level both standard and AP/Pre-AP course offerings are available.

9 ENGLISH 9 (113000) and WORLD HISTORY AND GEOGRAPHY 1 (221900)

Grades: 9

Credit: one for each course

Prerequisite: English 8

English 9 (113000)

Students read a variety of literature, exploring the characteristics of different forms and relating life situations to literary themes. Language study includes spelling, vocabulary, and learning about language history and structure. Through varied and frequent writing assignments, students build on their understanding of writing as a process of prewriting, drafting, revising, and publishing. They also improve discussion skills as well as observing and practicing oral presentations to develop poise and confidence. (This is a Standards of Learning aligned course which is tested in 11th grade.)

WORLD HISTORY AND GEOGRAPHY 1 (221900)

This is the first of a two-year, chronologically organized study of world history and geography. In this first year, students study the world from ancient times to 1500. The course highlights the relationship between the geography and history of Europe, Africa, Asia, and Latin America. Students refine and expand critical thinking skills, practice decision making and problem solving, and formulate questions to guide research. World History and Geography 1 is required for graduation.

Students are required to take the Standards of Learning End of Course Test.

9 PRE-AP ENGLISH 9 (113038) and PRE-AP WORLD HISTORY AND GEOGRAPHY 1 (221938)

(Formerly English 9 Honors)

Grades: 9

Credit: one for each course

PRE-AP ENGLISH 9 (113038)

Students study literature to develop an awareness of the relationship between life and literary experience. By writing frequently and for varied purposes and audiences, they build an understanding of their own and others' writing processes and develop the ability to analyze and evaluate writing. Language study includes tracing linguistic development, studying etymology, and expanding verbal fluency. Students analyze various forms of media to determine the impact of persuasive language. Through practice in small and large groups as well as practice in oral presentations, they organize, communicate, and evaluate ideas logically and creatively. (This is a Standards of Learning aligned course which is tested in 11th grade.)

PRE-AP WORLD HISTORY AND GEOGRAPHY 1 (221938)

Pre-AP World History and Geography 1 offers ninth grade students an opportunity to develop the skills and background knowledge needed to be successful in Advanced Placement World History taken in grade 10. Pre-AP World History and Geography 1 satisfies the World History and Geography 1 graduation requirement.

Students are required to take the Standards of Learning End of Course Test.

ENGLISH 10 (114000) and WORLD HISTORY AND GEOGRAPHY 2 (222100)

Grades: 10

Credit: one for each course

Prerequisite: English 9 or Transitional English 9

ENGLISH 10 (114000)

Students read a variety of literature comparing and contrasting setting, characterization, conflict, point of view, and theme. Language study includes spelling, vocabulary, verbal analogies, and learning about language history and structure. Through varied and frequent writing assignments, students expand their understanding of writing as a process and develop their skill in revising according to purpose and audience. They practice adapting speaking and listening skills to the audience, topic, purpose, and situation. (This is a Standards of Learning aligned course which is tested in 11th grade.)

WORLD HISTORY AND GEOGRAPHY 2 (222100)

This is the second of a two-year, chronologically organized study of world history and geography. In this second year, students study the world from 1500 through the contemporary era. The course weaves together the skills and content of both history and geography so that students may learn how history and geography affect each other and therefore gain a more complete understanding of the world around them, including North and South America, Europe, Asia, and Africa. Students continue to refine and expand critical thinking skills, practice decision making and problem solving, and formulate questions to guide research. World History and Geography 2 is required for graduation.

Students are required to take the Standards of Learning End of Course Test.

PRE-AP ENGLISH 10 (114038) and ADVANCED PLACEMENT WORLD HISTORY (234004)**Grades: 10** **Credit: one for each course****Prerequisite: English 9 or Pre-AP English 9****PRE-AP ENGLISH 10 (114038)****(Formerly English 10 Honors)**

Students analyze various literary forms to investigate structural elements and recognize their relationship to the whole work and its literary tradition. Through frequent personal writing and writing about literature, they expand their understanding of the writing process, the purposes for writing, and the author's sense of audience. In language study, students increase vocabulary skills with an emphasis on analyzing and creating verbal analogies. Students learn to evaluate critically, to use persuasive language responsibly, and to present dramatic material effectively by examining and analyzing various forms of media. Continued interaction in small and large groups increases students' proficiency in oral skills and in problem solving. (This is a Standards of Learning aligned course which is tested in 11th grade.)

AP ADVANCED PLACEMENT WORLD HISTORY (234004) Credit: one/weighted +.5

Advanced Placement World History is designed to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. Focused primarily on the past fifteen hundred years of the global experience, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage prior to 600. All students are required to take the Advanced Placement World History exam. This course may be used to satisfy the World History and Geography II requirement. Note: When taken as the World History and Geography 2 substitute course, the World History and Geography 2 SOL Test is required. The SOL Test is not given when AP World is taken as an elective.

Students are required to take the Standards of Learning End of Course Test.**ENGLISH 11 (115000) and VIRGINIA AND UNITED STATES HISTORY (236000)****Grades: 11** **Credit: one for each course****Prerequisite: English 10****ENGLISH 11 (115000)**

Students read a variety of literature, comparing themes of various works and analyzing expository materials for logical reasoning. Language study includes spelling, vocabulary, grammar, language history and structure. Through varied and frequent writing assignments, students reinforce their understanding of purpose and audience and develop their skill in the use of voice and tone. Through a variety of interpersonal, group, dramatic, and public speaking activities, students refine their understanding of oral communication. (This is a Standards of Learning aligned course which is tested in 11th grade.)

Students are required to take the Standards of Learning End of Course Test.**VIRGINIA AND UNITED STATES HISTORY (236000)**

Students examine the political, economic, social, and cultural growth of the United States, including the role of Virginia in this growth. Students study major historical developments and their impact on contemporary society and on the individual. Map and globe reading, critical thinking, writing, research, and group-process skills are refined. Virginia and United States History is required for graduation.

Students are required to take the Standards of Learning End of Course Test.**AP ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION (119605) and ADVANCED PLACEMENT UNITED STATES HISTORY (231904)****Grades: 11** **Credit: one/weighted +.5 for each course****ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION (119605)**

Students who complete this course are prepared to take the Advanced Placement examination in English Language and Composition, and many earn college credit if a qualifying score is achieved. Students study advanced composition and analysis of language at a level equivalent to that of a full-year introductory college course. In refining their awareness of language and the writer's craft, students write works of publishable quality. (Schools may offer this course, the Literature and Composition Advanced Placement English course, or both of these courses.) With principal's approval, this course will fulfill the English credit for the targeted grade level. All students are required to take the Advanced Placement English exam. (This is a Standards of Learning aligned course which is tested in 11th grade.)

Students are required to take the Standards of Learning End of Course Test.**ADVANCED PLACEMENT UNITED STATES HISTORY (231904)**

The purpose of this course is to prepare students to take the Advanced Placement examination in American History for which college credit and/or placement may be given if a qualifying score is made. Students develop the factual knowledge and analytical skills necessary to deal with the issues and problems of American History. They do in-depth analysis of major developments; become familiar with primary sources; assess historical materials, evidence, and interpretations; and learn to write research papers. The course is equal to a full-year introductory college course. Completion of this course fulfills the graduation requirement for one credit in Virginia and United States History. All students are required to take the Advanced Placement United States History exam.

Students are required to take the Standards of Learning End of Course Test.**ENGLISH 12 (116000)****Grades: 12** **Credit: one****Prerequisite: English 11**

Students study literary and non-fiction forms and analyze their literary and stylistic elements. Language study includes spelling, vocabulary, and learning about language history and structure. Through varied and frequent writing assignments, students refine their understanding of purpose, audience, and voice and develop criteria for evaluating writing. They participate in speaking and listening activities to build critical thinking--using inference, hypothesis, analysis, synthesis, and evaluation skills.

ENGLISH 12 WITH SOL REMEDIATION FOCUS (116060)**Grades: 12** **Credit: one****Prerequisite: English 11**

Students study literary and non-fiction forms and analyze their literary and stylistic elements. Language study includes spelling, vocabulary, and learning about language history and structure. Through varied and frequent writing assignments, students refine their understanding of purpose, audience, and voice and develop criteria for evaluating writing. They participate in speaking and listening activities to build critical thinking--using inference, hypothesis, analysis, synthesis, and evaluation skills. Additionally, students work to improve the skills needed for successful completion of the EOC English: Reading/Literature and Research test and/or the EOC English: Writing test. This course is available for students who have earned an English 11 credit, but who have not yet passed the EOC English: Reading/Literature and Research test and/or the EOC English: Writing test.

*Students taking this course would have failed the SOL English test.***AP ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION (119504)****Grades: 12** **Credit: one/weighted +.5**

Students who complete this course are prepared to take the Advanced Placement examination in English Literature and Composition, and many earn college credit if a qualifying score is achieved. Students study composition and literary analysis at a level equivalent to that of a full-year introductory college course. Through in-depth studies of literary works, students sharpen their awareness of language and their understanding of the writer's craft. They establish critical standards for appreciating and evaluating literature. Completion of this course fulfills the English 12 course requirement. Schools may offer this course, or the Language and Composition Advanced Placement English course, described in optional course offerings, or both of these courses. (All students are required to take the Advanced Placement English exam.)

VIRGINIA AND UNITED STATES GOVERNMENT (244000)**Grades: 12** **Credit: one**

Students examine both the structure and function of American government at the national, state, and local levels. The course focuses on political decision-making, comparative political and economic systems, and the student's role as a citizen. Critical thinking, writing, research, and group-process skills are refined. Virginia and United States Government is required for graduation.

AP ADVANCED PLACEMENT GOVERNMENT (244504)**Grades: 12** **Credit: one/weighted +.5**

The purpose of this course is to prepare students to take the Advanced Placement examination for which college credit and/or placement may be given if a qualifying score is

made. In the study of American government, students interpret national, state, and local government and politics through a study of both general concepts used to interpret U.S. politics and the analysis of specific examples. Completion of this course fulfills the graduation requirement for one credit in Virginia and United States Government. All students are required to take the Advanced Placement Government exam.

AP ADVANCED PLACEMENT COMBINED UNITED STATES AND COMPARATIVE GOVERNMENT (244567)

Grades: 12

Credit: one/weighted +.5

The purpose of this course is to prepare students to take both the Advanced Placement examination for United States Government and Politics and the Advanced Placement examination for Comparative Government for which college credit and/or placement may be given if qualifying scores are made. The course includes a study of comparative government as well as American government and politics. In the study of American government, students interpret national, state, and local government and politics through a study of both general concepts and specific case studies. In the study of comparative government, emphasis is placed on understanding the world's diverse political structures and practices, as well as on interpreting and analyzing the key political relationships found in national governments. Completion of this course fulfills the graduation requirement for one credit in Virginia and United States Government. Students in this course must take at least one of the two AP Government exams and may take both.

TRANSITIONAL ENGLISH 9 (113095)

Grades: 9

Credit: one

This course can be added to a school program only with the approval of the Office of High School Instruction and K-12 Curriculum Services. Transitional English 9 is intended to be taken concurrently with English for Speakers of Other Languages (ESOL) course number 5730. For ESOL students, Transitional English serves as a transition from ESOL to the mainstream English program as the ESOL and English teachers work together to provide support through a cohesive program of study based on the English POS. Students read a variety of literature, exploring the characteristics of different forms and relating life situations to literary themes. Language study includes spelling and vocabulary. Through varied and frequent writing assignments, students build on their understanding of writing as a process of prewriting, drafting, revising, and publishing. They practice oral communication skills in a variety of settings, including small groups, class discussions, and formal presentations. (This is a Standards of Learning aligned course which is tested in 11th grade.)

9 JOURNALISM 1 (120000)

Grades: 9, 10, 11, 12

Credit: one

Journalism 1 provides students with opportunities for learning the language of journalism and photojournalism, developing communication skills in writing different kinds of articles, understanding news and the process of publication, and becoming more critical readers and viewers of mass media.

Preparation for working on the newspaper.

JOURNALISM 2 (121000) NEWSPAPER

Grades: 10, 11, 12

Credit: one

Prerequisite: Journalism 1

Journalism 2 provides students opportunities for learning and participating in layout, design, desktop publishing, and printing processes. Students develop a more sophisticated level of journalistic writing and participate in the operation and production of the high school newspaper.

JOURNALISM 3 (121100) NEWSPAPER

Grades: 11, 12

Credit: one

Prerequisite: Journalism 2

In addition to enhancing their skills as reporters, Journalism 3 provides students advanced opportunities for learning editorial leadership, developing a personal sense of professionalism, understanding the role of the newspaper in society, and becoming productive members of the newspaper staff. Students learn business and circulation management.

JOURNALISM 4 (121200) NEWSPAPER

Grades: 12

Credit: one

Prerequisite: Journalism 3

Journalism 4 provides students opportunities for learning marketable publication skills; developing individual writing, layout, and design styles; and assuming the role of editorial leadership and responsibility for producing a high school newspaper that serves a pluralistic society. Students also take responsibility for business and circulation management.

9 DEVELOPING LITERACIES (118060)

Grades: 9

Credit: one

Developing Literacies provides direct remediation of content area reading skills necessary to understand the content of mathematics, science, social studies, and English. The course focuses on the reading skills necessary for successful completion of the SOL tests given in the four core areas. Counts as a sequential elective if taken with Expanding Literacies.

This course helps students who need to meet the 8th grade literacy and numeracy requirement.

EXPANDING LITERACIES 1 (151500)

Grades: 11

Credit: one

Expanding Literacies provides direct remediation of reading skills and English content necessary to pass the EOC English: Reading/Literature and Research and/or the EOC English: Writing SOL tests, which are given in eleventh grade. Verified credit on both tests is required in order to earn a Standard Diploma. Counts as a sequential elective when taken after Developing Literacies.

9 CREATIVE WRITING (117100) and FILM STUDY (144632)

Grades: 9, 10, 11, 12

Credit: one-half for each semester

CREATIVE WRITING (117100)

This course provides students an opportunity for additional writing instruction beyond the standard English program. Experimentation with many forms of writing is encouraged, with an emphasis on poetry, short stories, plays, and all forms of descriptive writing. Students continue to expand and refine their ability to write through analyzing and evaluating their own writing and that of other students. Students may also participate in the layout, design, and overall production of a high school literary magazine.

FILM STUDY (144632)

This course involves the study of classic and award-winning films. Students critique both the artistic and technical merits of the films. They study the development of theme, plot, characterization, and setting in each production. They learn the vocabulary associated with film and use this vocabulary when discussing or writing about films. Students may create their own short films.

9 DEBATE (139500) and FORENSICS (139000)

Grades: 9, 10, 11, 12

Credit: one-half for each semester

DEBATE (139500)

The debate course is designed to encourage and improve in creative and critical thinking, research, speaking and argumentation, mock trials, Lincoln-Douglas Debate, and Policy Debate. In addition, students improve their ability to take notes and to listen.

FORENSICS (139000)

Forensics provides students with an opportunity to practice and develop proficiency in oral communication techniques. Students sharpen their skills in a chosen area of concentration such as oral interpretation, extemporaneous speaking, or original oratory. Students are encouraged to use their skills in speech competition or performance.

LAW IN ACTION (242000)

Grades: 11, 12

Credit: one

This course provides practical information and problem-solving opportunities regarding the law. Students develop both knowledge of the law and skills necessary for survival in our law-based society. Students engage in active learning experiences such as mock trials, moot courts, role play, case studies, simulations and small group exercises. Students explore the definition of law, citizen rights and responsibilities under the law, learn methods of dispute resolution, as well as identify and analyze public issues.

PHILOSOPHY (295033) and WORLD RELIGIONS (295060)

Grades: 11, 12

Credit: one-half for each semester

PHILOSOPHY (295033)

This course offers students an opportunity to investigate classical philosophical issues from both secular and religious sources. A study of philosophy will help students to value more fully the insights and structures of the great philosophies; respect the difference between systematic philosophical investigation and personal belief; develop critical skill in the analysis of the writings of the philosophers and a comprehensive understanding of similarities and differences in philosophical discussion, both religious and secular, throughout the ages; value the rich diversity of ideas and points of view on many issues; and transfer philosophical knowledge and method to the study of other disciplines and to problem solving.

WORLD RELIGIONS (295060)

In this course, students develop the background necessary for an appreciation of the basic beliefs and practices of the world's religions. Importance is placed on historical origins as well as current beliefs. Students will study Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, Taoism, and other belief systems.

PSYCHOLOGY (290000) and SOCIOLOGY (250000)

Grades: 11, 12 Credit: one-half for each semester

PSYCHOLOGY (290000)

Students examine patterns and variations of human behavior and the process of individual human development. They identify and examine the emotional, intellectual, and physical factors which influence the development of the individual human being. Students distinguish among the major schools and systems of psychology and methods of investigation.

SOCIOLOGY (250000)

Students study the ways people behave in groups. They examine ways that groups function in society and analyze these functions. Students develop hypotheses about people in groups and gather information to test these hypotheses.

CURRENT AFFAIRS (299600) and POLITICAL SCIENCE (245100)

Grades: 11, 12 Credit: one-half for each semester

POLITICAL SCIENCE (245100)

This course provides students with an understanding of the tools with which to analyze the basic framework, concepts, terminology and principles of contemporary issues and events. Over the course of one or two semesters, students will use various resources and technologies to examine topics and issues of local, state, national, and international significance.

POLITICAL SCIENCE (245100)

During the first semester, students examine theories and practices of government. During the second semester, students are interns for 8-10 hours per week in government and government-related offices. They participate in seminar discussions. The first semester offers one-half credit and is a prerequisite for second semester. Second semester is optional. The full two-semester course offers one and one-half credits.

AP ADVANCED PLACEMENT MACROECONOMICS (280204) and ADVANCED PLACEMENT MICROECONOMICS (280304)
Grades: 11, 12 Credit: one-half/weighted +.25 per semester

ADVANCED PLACEMENT MACROECONOMICS (280204)

The purpose of this course is to prepare students to take the Advanced Placement examination, for which college credit and/or placement may be given if a qualifying score is achieved. This course is designed to provide students with an understanding of the economic principles which apply to an economic system as a whole. Primary emphasis is placed on industries, national economics, performance indicators, and international economics. All students are required to take the Advanced Placement Macroeconomics exam.

ADVANCED PLACEMENT MICROECONOMICS (280304)

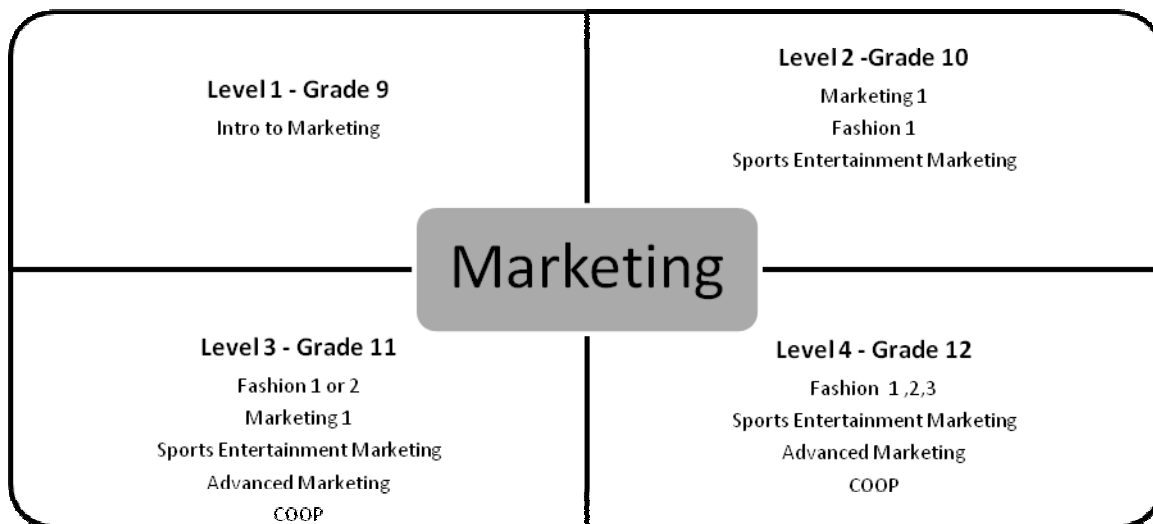
The purpose of this course is to prepare students to take the Advanced Placement examination, for which college credit and/or placement may be given if a qualifying score is achieved. This course is designed to provide students with an understanding of the principles of economics which apply to the functions of decision-makers, both consumers and producers, within the larger economic system. Primary emphasis is placed on the nature and functions of product markets, and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. All students are required to take the Advanced Placement Microeconomics exam.

AP ADVANCED PLACEMENT PSYCHOLOGY (290204)
Grades: 11, 12 Credit: one/weighted +.5

ADVANCED PLACEMENT PSYCHOLOGY (290204)

The purpose of this course is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science and practice. The aim of Advanced Placement Psychology is to provide the students with a learning experience equivalent to that obtained in an introductory college psychology course. College credit and/or placement may be given if a qualifying score is made on the Advanced Placement examination. The rigorous course syllabus and college level texts both suggest that students who enroll should be highly motivated and intellectually curious. All students are required to take the Advanced Placement Psychology exam.

MARKETING



9-IC INTRODUCTION TO MARKETING (811000)
Grades: 9, 10 Credit: one

This introductory course in marketing enables students to gain a basic understanding of marketing principles, techniques, and career opportunities. Students will develop fundamental social, economic, mathematical, marketing, job search and decision-making skills necessary for successful initial employment in retail, wholesale, or service businesses. While enrolled in the course, the student is an active member of DECA, an association of marketing students. Field trips, guest speakers, and competitive events through DECA membership enhance the course work.

IC MARKETING 1 (812000)
Grades: 10, 11, 12 Credit: one

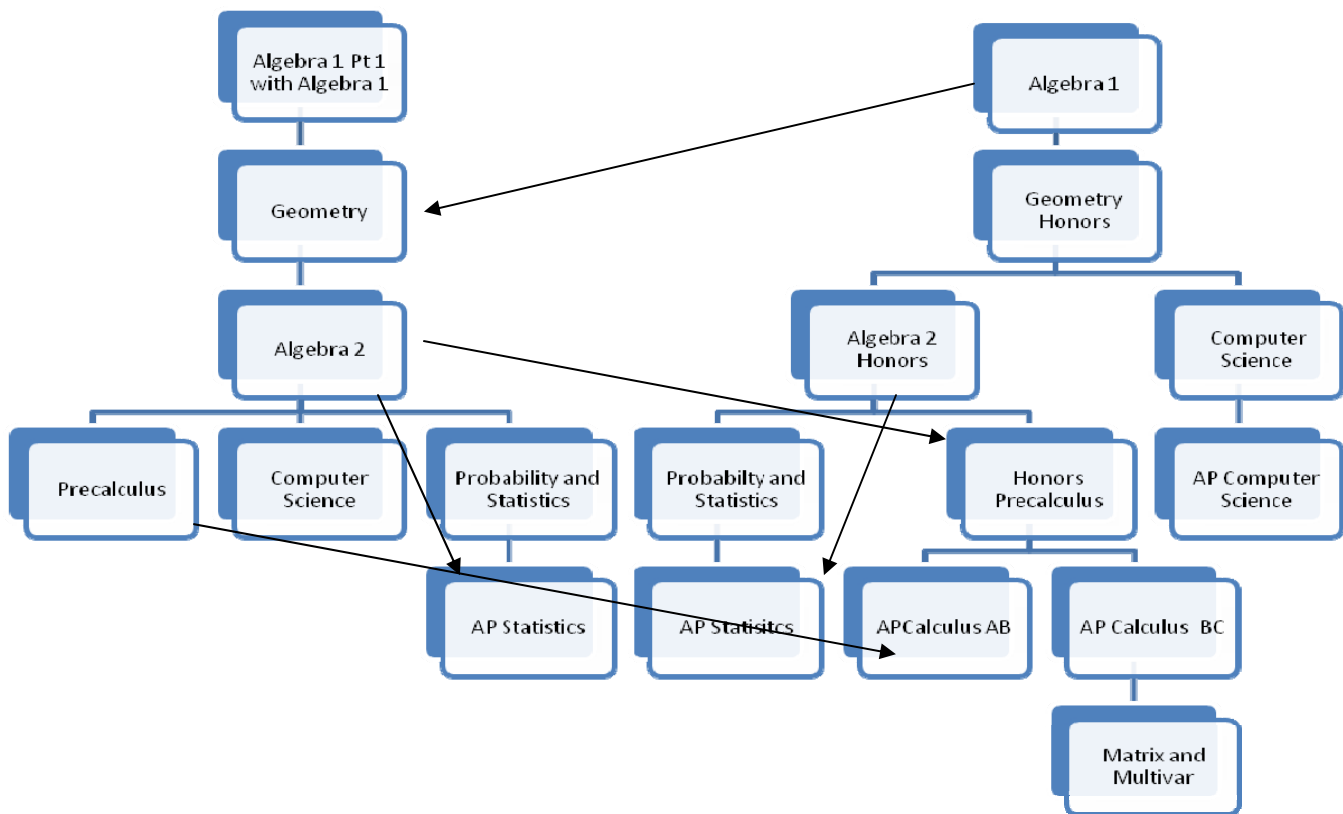
Students are introduced to the foundations and functions involved in the successful marketing of goods, services and ideas to consumers. Students will study marketing and

MATHEMATICS

For best success in the next level of math, it is suggested that a student have at least a “C” in the present level. To go from the standard level to the honors level, a student should have an “A” in the standard level.

Qualities of a honor math student are someone who is motivated, is willing to self-advocate, demonstrates a strong work ethic, and is willing to take the time to work through problems.

MATHEMATICS PROGRESSION 2009-2010



9 ALGEBRA 1 / PART 1 (313100) and ALGEBRA 1 (313000)
 Grades: 9, 10 Credit: one for each level
 Prerequisite: Middle School Mathematics
 ALGEBRA 1 / PART 1 (313100)

Algebra 1 / Part 1 extends students' understanding of the real number system and its properties through the study of variables, expressions, equations, inequalities, and analysis of data derived from real-world phenomena. Topics include linear equations and inequalities, linear relations and functions, measures of central tendency (mean, median, mode), data analysis and middle school objectives as needed. Algebra 1 / Part 1 includes approximately sixty percent of the Virginia Standards of Learning for Algebra 1. Students must pass Algebra 1 to receive mathematics graduation credit for Algebra 1 / Part 1.

ALGEBRA 1 (313000)

This course extends students' knowledge and understanding of the real number system and its properties through the study of variables, expressions, equations, inequalities, and analysis of data derived from real-world phenomena. Emphasis is placed on making connections in algebra to geometry and statistics. Calculator and computer technologies will be used as tools wherever appropriate. Use of a graphing calculator is considered essential to provide a graphical and numerical approach to topics in addition to a symbolic approach. Topics include linear equations and inequalities, systems of linear equations, relations, functions and polynomials.

Students are required to take the Standards of Learning End of Course Test.

9 ALGEBRA 1 (313000)
 Grades: 8, 9, 10, 11
 Prerequisite: Middle School Mathematics

Credit: one

This course extends students' knowledge and understanding of the real number system and its properties through the study of variables, expressions, equations, inequalities, and analysis of data derived from real-world phenomena. Emphasis is placed on making connections in algebra to geometry and statistics. Calculator and computer technologies will be used as tools wherever appropriate. Use of a graphing calculator is considered essential to provide a graphical and numerical approach to topics in addition to a symbolic approach. Topics include linear equations and inequalities, systems of linear equations, relations, functions and polynomials.

Students are required to take the Standards of Learning End of Course Test.

9 GEOMETRY (314300)
Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Algebra 1

This course emphasizes two- and three-dimensional reasoning skills, coordinate and transformational geometry, and the use of geometric models to solve problems. A variety of applications and some general problem-solving techniques, including algebraic skills, will be used to explore geometric relationships. Conjectures about properties and relationships are developed inductively and then verified deductively. Calculators, computers, graphing utilities, dynamic geometry software, and other appropriate technology tools will be used to assist in teaching and learning.

Students are required to take the Standards of Learning End of Course Test.

Suggestions for deciding between honors and standard level math courses:

If you have completed the math 7 honors program, successfully completed algebra 1 with a B+/A, love math, and have a teacher's recommendation...then honors will be a good fit for you.

9 GEOMETRY HONORS (314336)
Grades: 8, 9, 10

Credit: one

Prerequisite: Algebra 1

The depth and level of understanding expected in Geometry Honors is beyond the scope of Geometry. This course emphasizes two- and three-dimensional reasoning skills, coordinate and transformational geometry, and the use of geometric models to solve problems. A variety of applications and some general problem-solving techniques, including algebraic skills, will be used to explore geometric relationships. Conjectures about properties and relationships are developed inductively and then verified deductively. Students investigate non-Euclidean geometries, formal logic, and use deductive proofs to verify theorems. Calculators, computers, graphing utilities, dynamic geometry software, and other appropriate technology tools will be used to assist in teaching and learning.

Students are required to take the Standards of Learning End of Course Test.

ALGEBRA 2 (313500)
Grades: 10, 11, 12

Credit: one

Prerequisite: Algebra 1

Algebra 2 provides a thorough treatment of algebraic concepts through the study of functions, polynomials, rational expressions, complex numbers, exponential and logarithmic equations, matrices, arithmetic and geometric sequences and series, and data analysis. Emphasis is placed on the mechanics of algebra with real world applications and modeling. A transformational approach to graphing is used with families of related graphs. Numerical, graphical, and algebraic solutions are considered for all problems as applicable. Graphing utilities, especially graphing calculators, are integral to the course.

Students are required to take the Standards of Learning End of Course Test.

9 ALGEBRA 2 HONORS (313536)
Grades: 9, 10, 11

Credit: one

Prerequisite: Algebra 1

The depth and level of understanding expected in Algebra 2 Honors is beyond the scope of Algebra 2. Students are expected not only to master algebraic mechanics but also to understand the underlying theory and to apply the concepts to real-world situations in a meaningful way. A thorough treatment of advanced algebraic concepts is provided through the study of functions, polynomials, rational expressions, complex numbers, matrices, exponential and logarithmic equations, infinite geometric sequences and series, permutations and combinations, and selected topics in discrete mathematics. Emphasis is on modeling, logic, and interpretation of results. A transformational approach to graphing is used with families of related graphs. Numerical, graphical, and algebraic solutions are considered for all problems, as applicable. Graphing utilities, especially graphing calculators, are integral to the course.

Students are required to take the Standards of Learning End of Course Test.

PRECALCULUS WITH TRIGONOMETRY (316000)
Grades: 10, 11, 12

Credit: one

Prerequisite: Geometry and Algebra 2

Precalculus with Trigonometry includes all the topics of Trigonometry (3150) and a thorough treatment of functions through the study of polynomials, rational functions, logarithmic, exponential, and inverse functions. Topics include continuity, maximum and minimum points, an intuitive approach to limits, and rates of change. A transformational approach to graphing is used with families of related graphs. Numerical, graphical, and algebraic solutions are considered for all problems as applicable. Emphasis will be placed on problem solving techniques. Graphing utilities, especially graphing calculators, are integral to the course.

PRECALCULUS WITH TRIGONOMETRY HONORS (316036)
Grades: 10, 11, 12

Credit: one

Prerequisite: Geometry and Algebra 2

The depth and level of understanding expected in Precalculus with Trigonometry Honors is beyond the scope of Precalculus with Trigonometry. Precalculus with Trigonometry Honors includes all of the topics of Trigonometry (3150) and an in-depth treatment of functions through the study of polynomials, transformations, rational functions, exponential and logarithmic functions, inverses, polar equations, parametric equations, two-dimensional vectors, and selected topics in discrete mathematics. The course also includes the study of limits, continuity, maximum and minimum points and values, definition and properties of the derivative, rules of differentiation, equations of tangent lines to polynomial functions, infinite limits, and partial fractions. Numerical, graphical, and algebraic solutions are considered for all problems as applicable. Graphing utilities, especially graphing calculators, are integral to the course.

PROBABILITY AND STATISTICS (319062)
Grades: 11, 12

Credit: one

Prerequisite: Geometry and Algebra 2

Probability and Statistics is a computer-based, project-oriented introduction to statistics that emphasizes working with data, graphs, and statistical ideas on computers, using the Minitab and FATHOM statistical software. Students are expected to develop and present professional quality statistical analyses. Course content includes theory of probability, description of statistical measurements, and probability distributions.

Students applying to a competitive college should research the viability of this course.

AP ADVANCED PLACEMENT STATISTICS (319204)
Grades: 10, 11, 12

Credit: one/weighted +.5

Prerequisite: Geometry and Algebra 2

Advanced Placement Statistics includes graphical and numerical techniques to study patterns and explore data, strategies for developing a plan to conduct a study based on data analysis, probability as a tool for predicting distribution of data, and techniques of statistical inference. Students who successfully complete this course and the AP statistics examination may receive credit and/or advanced placement for a one-semester college statistics course. All students are required to take the Advanced Placement exam.

AP ADVANCED PLACEMENT CALCULUS AB (317004)
Grades: 11, 12

Credit: one/weighted +.5

Prerequisite: Precalculus with Trigonometry or Precalculus with Trigonometry Honors

The purpose of this course is to prepare students for the Advanced Placement AB examination, for which placement and/or credit may be awarded at the college level, if a qualifying score is obtained. Content of this college-level course corresponds to the syllabus of the College Board Advanced Placement Program for AB Calculus. Content includes concepts and applications of differential and integral calculus, limits, and elementary differential equations. All students are required to take the Advanced Placement exam.

AP ADVANCED PLACEMENT CALCULUS BC (317704)
Grades: 11, 12 **Credit: one/weighted +.5**
Prerequisite: Precalculus with Trigonometry Honors

The purpose of this course is to prepare students for the Calculus BC Advanced Placement examination, for which placement and/or credit may be awarded at the college level, if a qualifying score is obtained. Content of this college-level course corresponds to the syllabus of the College Board Calculus BC Advanced Placement Program. Content includes concepts and applications of differential and integral calculus, sequences and series, and elementary differential equations. All students are required to take the Advanced Placement exam.

MULTIVARIABLE CALCULUS (317860) and MATRIX ALGEBRA (319800)

Grades: 11, 12 **Credit: one-half/weighted +.25 for each semester**

Prerequisite: AP Calculus BC or IB Mathematics HL II

MULTIVARIABLE CALCULUS (317860)

A third semester college-level course, Multivariable calculus is the calculus of three dimensions and includes the study of partial differentiation, multiple integrals, and line integrals. This course will receive a weighted grade and may be taken for college credit.

MATRIX ALGEBRA (319800)

This college-level course includes the study of systems of linear equations, vector spaces, linear dependence, linear transformations and matrix representation, orthogonal reduction, determinants, eigenvectors and eigenvalues, and a variety of applications. This course will receive a weighted grade and may be taken for college credit.

COMPUTER SCIENCE (318400)

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: Algebra 1 and Geometry

Students develop detailed knowledge of the fundamental structure of a computer system, with emphasis on problem solving and structured programming. Skills in defining, writing, and running programs on a computer are developed through an individual approach that allows the student to work with both mathematical and non-mathematical problems. Java will be the major programming language.

AP ADVANCED PLACEMENT COMPUTER SCIENCE A (318505)
Grades: 10, 11, 12 **Credit: one/weighted +.5**
Prerequisite: Algebra 1 and Geometry

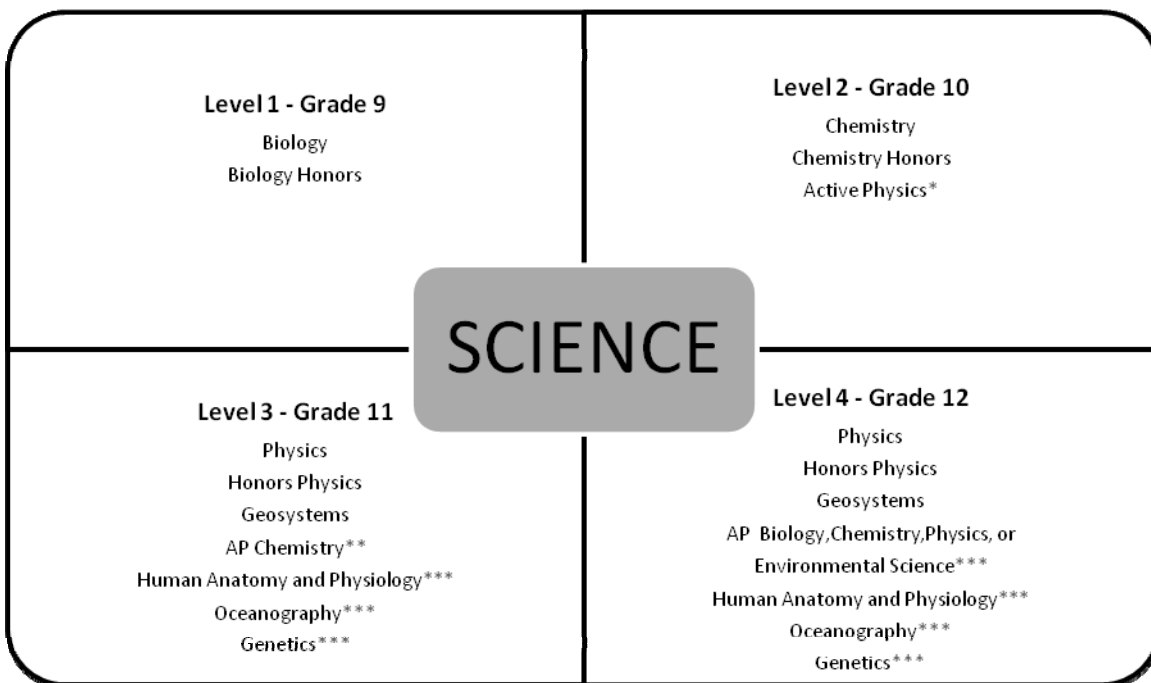
The purpose of this course is to prepare students for the Advanced Placement Computer Science A examination, for which college credit and/or placement may be given, if a qualifying score is achieved. Content of this college-level course corresponds to the syllabus of the College Board Advanced Placement Program for Computer Science A. Students will design software to solve problems and use data structures, such as classes and arrays, to represent information within a program. Students will also gain a working knowledge of the major hardware and software components of computer systems. Java is the main vehicle for implementing solutions to problems. All students are required to take the Advanced Placement exam.

Students should have completed the Computer Science course for best success.

SCIENCE

Students are required to take 3 science credits in three different disciplines for a 22 credit diploma.

Students are required to take 4 science credits in three different disciplines for a 24 credit diploma.



- *May be taken prior to Chemistry if Algebra 1 is not completed
- ** May be taken in addition to Level 3 sciences (Physics and/or Geosystems)
- *** May be taken as 4th science for Advanced Studies Diploma or as a science elective

9 BIOLOGY 1 (431000)

Grades: 9, 10, 11, 12

Credit: one

Biology 1 is a laboratory-oriented course designed to give students a background in biological concepts as well as experience in using the methods of scientific inquiry. The course focuses on the life processes that occur within the cell, the anatomy and physiology of complex multicellular organisms, and the ways by which life forms reproduce, develop, and adapt to conditions in their environment. The course includes a unit on human life education that addresses the topics of human reproduction and human development. Parents have the option of withdrawing their children from any or all topics included in the state-mandated Family Life Education portion. Students opting-out will be provided with alternative biology lessons. If dissections are a part of the laboratory experience, alternatives are available.

Students are required to take the Standards of Learning End of Course Test.

9 BIOLOGY 1 HONORS (431036)

Grades: 9, 10, 11, 12

Credit: one

Biology 1 Honors utilizes a molecular approach to the study of biology. This lab-centered course stresses cell processes and the anatomy and physiology of multicellular organisms. Biology 1 Honors includes a unit on human life education that addresses the topics of human reproduction and human development. Parents have the option of withdrawing their children from any or all topics included in the state-mandated Family Life Education portion. Students opting-out will be provided with alternative biology lessons. Students will be involved in doing experimental/research projects, either independently or in teams. If dissections are a part of the laboratory experience, alternatives are available.

Students are required to take the Standards of Learning End of Course Test.

An independent research project will be required in this course.

CHEMISTRY 1 (441000)

Grades: 10, 11, 12

Credit: one

Prerequisite: One laboratory science course, Algebra 1

Chemistry 1 is designed to enable all students to acquire an understanding of how chemical theory is developed and how a chemist thinks and works. Students investigate the composition, properties, and reactions of matter. The approach is inductive and mathematical, as well as conceptual. Laboratory experiments and subsequent classroom analysis are integral components of the course.

Students are required to take the Standards of Learning End of Course Test.

CHEMISTRY 1 HONORS (441036)

Grades: 10, 11, 12

Credit: one

Prerequisite: One laboratory science course, Algebra 1

Corequisite: Algebra 2

Chemistry 1 Honors utilizes an inductive and mathematical approach to the study of chemistry. Students investigate the composition, properties, and reactions of matter by performing laboratory experiments and obtaining evidence to support the development of the major concepts in chemistry. Students will be involved in doing experimental/research projects, either independently or in teams.

Students are required to take the Standards of Learning End of Course Test.

PHYSICS 1 (451000)

Grades: 11, 12

Credit: one

Prerequisite: Two laboratory science courses

Physics 1 introduces the central concepts of physics, including the conservation laws (mass, energy, and momentum), electricity and magnetism, and waves. This laboratory-centered course utilizes an approach that is inductive and mathematical as well as conceptual.

PHYSICS 1 HONORS (451036)

Grades: 11, 12

Credit: one

Prerequisite: Two laboratory science courses

Corequisite: Precalculus with Trigonometry

Physics 1 Honors introduces the most central concepts of physics, including the dual wave-particle nature of light, conservation laws (mass, energy, and momentum), electricity and magnetism, and waves. This course is laboratory-centered and employs the methods of scientific inquiry. Students will be involved in doing experimental/research projects, either independently or in teams.

GEOSYSTEMS (422000)

Grades: 11, 12

Credit: one

Prerequisite: Biology 1 and Chemistry 1

Geosystems includes content from geology, astronomy, oceanography, and meteorology with various forms of technology, social and environmental issues, and hands-on experiments. Students will explore concepts using computers, telecommunications equipment, graphing calculators, probeware, GPS, GIS, and image processing software.

Students are required to take the Standards of Learning End of Course Test.

AP ADVANCED PLACEMENT BIOLOGY (437004)

Grades: 11, 12

Credit: one/weighted +.5

Prerequisite: Biology 1 and Chemistry 1

The purpose of this course is to prepare students to take the Advanced Placement Biology exam for which college credit and/or placement may be granted by an approving institution if a qualifying score is achieved. Advanced Placement Biology is a second-level biology course that utilizes laboratory research activities to acquaint students with the means by which biological information is collected and interpreted. The course is designed for students who have completed the core science curriculum and are now prepared to pursue more advanced and specialized studies. If dissections are a part of the laboratory experience, alternatives are available. All students are required to take the Advanced Placement exam.

AP ADVANCED PLACEMENT CHEMISTRY (447004)

Grades: 11, 12

Credit: one/weighted +.5

Prerequisite: Chemistry 1

Corequisite: Recommended: Physics or Precalculus with Trigonometry

The purpose of this course is to prepare students to take the Advanced Placement examination, for which college credit and/or placement may be given if a qualifying score is achieved. Advanced Placement Chemistry is a second-level, laboratory-centered course that provides an opportunity for students to undertake a more comprehensive investigation of some aspects of chemistry than is normally possible in the first-year chemistry course. It is designed for students who have completed a core science curriculum and are now ready to pursue more advanced and specialized studies. All students are required to take the Advanced Placement exam.

ACTIVE PHYSICS (451050)

Grades: 10, 11, 12

Credit: one

Prerequisite: One laboratory science course

Active Physics is a physics course for students with weak mathematics skills. This course has a strong emphasis on experimentation using computers and probeware. The six units of study include the physics of sports, medicine, transportation, home, communication, and predictions. The physics content is presented in a problem solving manner to strengthen science and mathematics content knowledge and skills.

This course may be taken prior to Chemistry if Algebra 1 has not been completed.

AP ADVANCED PLACEMENT PHYSICS C (457004)
Grades: 11, 12 **Credit: one/weighted +.5**
Prerequisite: Physics 1
Corequisite: Calculus AB or Calculus BC

The purpose of this course is to prepare students to take the Advanced Placement Physics C examination, for which college credit and/or placement may be given if a qualifying score is achieved. Advanced Placement Physics is a second-level course which surveys a broad selection of physics topics at a level above Physics 1. It is designed for students who have completed a core science curriculum and are now ready to pursue more advanced and specialized studies. AP Physics C serves as the foundation in physics for students who wish to pursue physical science or engineering degrees. All students are required to take the Advanced Placement exam.

AP ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE (427004)
Grades: 11, 12 **Credit: one/weighted +.5**
Prerequisite: Biology 1 and Chemistry 1

The purpose of this course is to prepare students to take the Advanced Placement examination, for which college credit and/or placement may be given if a qualifying score is achieved. The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science and is designed to stress scientific principles and analysis. The course includes a laboratory component. Students examine how science is a process, how energy conversions underlie all ecological processes and how the Earth is one interconnected system. Students will explore how humans alter the natural system and the cultural and social context of environmental problems. All students are required to take the Advanced Placement exam.

HUMAN ANATOMY AND PHYSIOLOGY: AN INTRODUCTION TO THE MEDICAL SCIENCES (433000)
Grades: 11, 12 **Credit: one**
Prerequisite: Biology and Chemistry

Human Anatomy and Physiology provides students with an in-depth understanding and working knowledge of the human body. It covers the ten systems of the human body with emphasis on the mechanisms that maintain homeostasis. Lab activities cover both the physiological as well as the anatomical aspects of human biology. Careers in the medical sciences are explored and an independent project is required. If dissections are a part of the laboratory experience, alternatives are available. This course does not count as one of the science credits for the standard diploma. It can be used as the fourth science credit for an advanced studies diploma, if the student has already taken three science courses from three different disciplines.

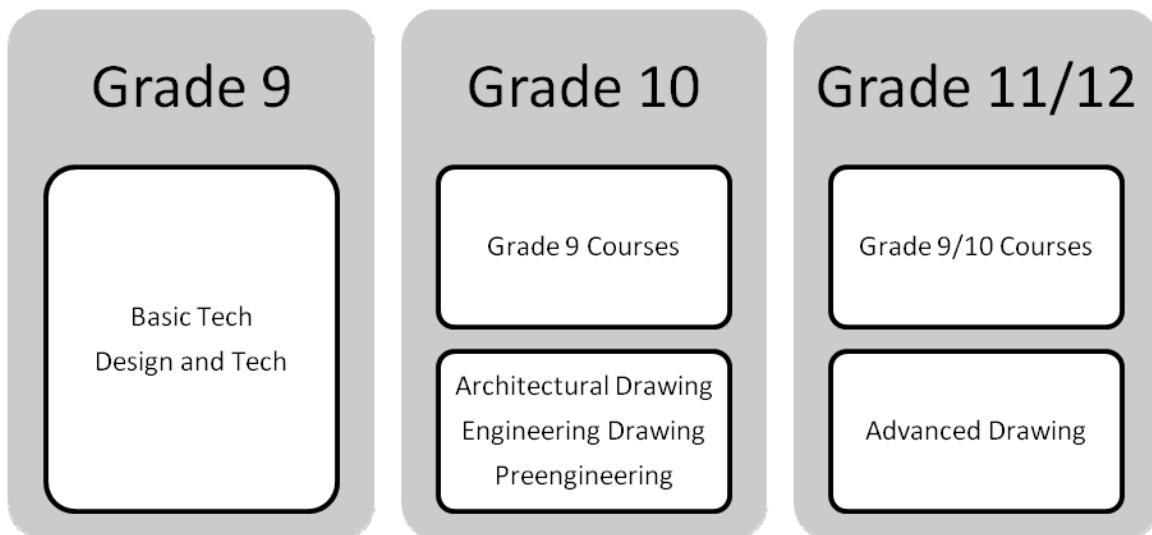
OCEANOGRAPHY (425000)
Grades: 11, 12 **Credit: one**
Prerequisite: Two laboratory science courses

Oceanography deals with geophysical and biological oceanography and covers such topics as the geology and geography of ocean basins, physical properties of sea water, marine chemistry, marine biology, salinity and density circulation in the oceans, waves, and tides and oceanographic instruments, tools, and methods. The course is designed to be an in-depth treatment of oceanography concepts. This course does not count as one of the science credits for the standard diploma. It can be used as the fourth credit for an advanced studies diploma, if the student has already taken three science courses from three different disciplines.

GENETICS AND BIOTECHNOLOGY (435000)
Grades: 11, 12 **Credit: one**
Prerequisite: Biology
Corequisite: Chemistry

This course introduces students to the fundamentals concepts of genetics. It is designed to acquaint students with not only the classical patterns of inheritance but also with the present day findings in molecular genetics. Laboratory experiments provide active participation in demonstrating and applying the concepts and theories of genetics and biotechnology. Present day bioethics issues in biotechnology are addressed.

TECHNOLOGY EDUCATION



9 DESIGN AND TECHNOLOGY (840300)

Grades: 9, 10, 11, 12

Credit: one

Design and Technology is designed as a foundation high school course in technology education. Students use core technology knowledge to solve open-ended problems and create systems. Laboratory activities engage students in the design process through projects that integrate mathematics, science, and other core subjects. Working in groups, students build and control systems in the development of technology.

Students successfully completing this course may be eligible to earn a Career and Technical Education diploma seal. Students successfully completing this course in conjunction with another one credit course within the same program area will satisfy the sequential elective requirement for the standard or modified standard diploma. This course requires a student materials fee as listed in FCPS Notice 5922.

9 BASIC TECHNICAL DRAWING (843500)

Grades: 9, 10, 11, 12

Credit: one

Students develop basic skills in drawing and study careers related to drafting through the use of Computer-Assisted Drafting (CAD) and other software applications to gain an understanding of the technical drawing processes. This course is recommended for students interested in technical drawing, interior design, fashion design, decorating, construction, architecture, or engineering careers.

Students successfully completing this course may be eligible to earn a Career and Technical Education diploma seal. Students successfully completing this course in conjunction with another one credit course within the same program area will satisfy the sequential elective requirement for the standard or modified standard diploma. This course requires a student materials fee as listed in FCPS Notice 5922.

10 ARCHITECTURAL DRAWING (843700)

Grades: 10, 11, 12

Credit: one

Prerequisite: Basic Technical Drawing (843500)

Students study the history of architecture, examine various construction techniques, use Computer-Assisted Drafting (CAD) equipment, and design a house. They develop working drawings and specifications as well as a scale model. Students interested in architecture or related careers will benefit from this course.

10 ENGINEERING DRAWING (843600)

Grades: 10, 11, 12

Credit: one

Prerequisite: Basic Technical Drawing (843500)

Students gain an understanding of technical drawing careers in modern industry. The course includes engineering-drafting problems, use of Computer-Assisted Drafting (CAD) equipment, and drafting skills and techniques. Students use a handbook of standards and specifications along with other resource materials. Students interested in engineering or related careers will benefit from this course.

PREENGINEERING (849000)

Grades: 10, 11, 12

Credit: one

This course provides for orientation to the careers and challenges of engineering. Students are actively involved with high-tech devices, engineering graphics, and mathematics/scientific principles through problem-solving experiences. Students integrate mathematics, science, and technical writing with technology to solve engineering-based problems. Activities are provided in descriptive geometry, materials science, and technical systems. Focus areas in civil, mechanical, electrical, and aeronautical engineering are explored. Students communicate information through seminars, technical reports, and sharing of ideas.

Students successfully completing this course may be eligible to earn a Career and Technical Education diploma seal. Students successfully completing this course in conjunction with another one credit course within the same program area will satisfy the sequential elective requirement for the standard or modified standard diploma. This course requires a student materials fee as listed in FCPS Notice 5922.

10 ADVANCED DRAWING (843800)

Grades: 11, 12

Credit: one

Prerequisite: Engineering Drawing (843600) or Architectural Drawing (843700)

Students use a graphic language for product design and technical illustration. They increase their understanding of drawing techniques learned in the prerequisite courses. They research design-related fields while identifying the role of advanced drawing and design in manufacturing and construction industry processes. They apply the design process, analyze design solutions, reverse engineer products, create 3-D solid models using Computer-Assisted Drafting (CAD), construct physical models, and create multimedia presentations of finished designs. They complete a work portfolio based on a chosen graphic project.

SPECIAL EDUCATION

Students must have an IEP (Individualized Education Plan) to be eligible to take any of the following courses and be recommended by the teacher.

The following courses are available as marked. Standard course descriptions can be found under the specific disciplines in the front sections of this booklet.

Courses	Team-taught	Self-contained
English 9-11	X	X
English 12	X	
World History 1,2 / US History	X	X
US Government	X	
Algebra 1 Pt 1/ Algebra 1	X	X
Algebra 1	X	
Geometry/ Algebra 2	X	X
Biology/Geosystems	X	X
Chemistry/ Active Physics	X	

BASIC SKILLS (788981)

Grades: 9, 10, 11, 12

Credit: one

This elective course is designed to provide support to a student in core curricular areas and to provide direct instruction in specific learning strategies, study skills, time management, organization, and coping skills. Time is also allotted to address individual areas of need as identified in a student's Individual Educational Plan (IEP). While students may receive assistance on core curricular assignments, the course is not designed to serve as a study hall. Students enrolled in the course receive the equivalent of one period of instruction each day and earn an elective credit. This course may be taught for an elective credit all four years or more, as appropriate. Students successfully completing two years of this course will satisfy the sequential elective requirement for the Standard and Modified Standard Diploma. (Students may be awarded a half-credit upon completion of a full semester of placement in the Basic Skills course. Such a decision is made by the school counselor in conjunction with the special education department chair.)

Taken as pass/fail basis.

BASIC SKILLS (788980) Writing emphasis

Grades: 10

Credit: one

This elective course is designed to provide support to a student in core curricular areas and to provide direct instruction in specific learning strategies, study skills, time management, organization, and coping skills. Time is also allotted to address individual areas of need as identified in a student's Individual Educational Plan (IEP). While students may receive assistance on core curricular assignments, the course is not designed to serve as a study hall. Students enrolled in the course receive the equivalent of one period of instruction each day and earn an elective credit. This course may be taught for an elective credit all four years or more, as appropriate. Students successfully completing two years of this course will satisfy the sequential elective requirement for the Standard and Modified Standard Diploma. (Students may be awarded a half-credit upon completion of a full semester of placement in the Basic Skills course. Such a decision is made by the school counselor in conjunction with the special education department)

9 DEVELOPING LITERACIES (118060)

Grades: 9

Credit: one

Developing Literacies provides direct remediation of content area reading skills necessary to understand the content of mathematics, science, social studies, and English. The course focuses on the reading skills necessary for successful completion of the SOL tests given in the four core areas. Counts as a sequential elective if taken with Expanding Literacies.

This course helps students who need to meet the 8th grade literacy and numeracy requirement.

EXPANDING LITERACIES I (151500)

Grades: 11

Credit: one

Expanding Literacies provides direct remediation of reading skills and English content necessary to pass the EOC English: Reading/Literature and Research and/or the EOC English: Writing SOL tests, which are given in eleventh grade. Verified credit on both tests is required in order to earn a Standard Diploma. Counts as a sequential elective when taken after Developing Literacies.

INDIVIDUALIZED MATHEMATICS (312180)

Grades: 9, 10, 11, 12

Credit: one

Prerequisite: None

The purpose of this course is to provide instruction of elementary mathematics skills to ESOL or special education students who are functioning below the sixth grade level in mathematics. The course is designed to present the elementary mathematics Program of Studies in a condensed format using manipulatives, special materials, and adaptive strategies. The course includes number concepts, mental mathematics, estimation, problem solving, operations, measurement, geometry, data analysis, statistics, probability, and fractions. Students may need up to two years to complete the course, but should move to the next course as soon as their mathematics skills warrant. ESOL and special education students must be enrolled in different sections. ESOL sections (312190) will emphasize language objectives in addition to mathematics objectives. For special education students, this course should be reflected in the student's IEP. This course does not meet the mathematics graduation requirements for the Standard or Advanced Studies Diploma. Students earn elective credit. This course may be added to a school program only with the approval of the Office of High School Instruction and K-12 Curriculum Services.

FOUNDATIONS OF BIOLOGY (781180)

Grades: 9, 10, 11, 12

Credit: one

Foundations of Biology is a one-credit elective course designed to provide students with a fundamental understanding of living organisms and the processes of life. Emphasis is placed on scientific procedures and study of living things, cell parts and functions, plant classification and the functions of their various structures, animal classification, ecology, the human body, and the ways by which life forms reproduce, develop, and adapt to conditions in their environment. This course includes instruction on understanding the functioning and maintenance of the human body and Family Life Education. Parents have the option of withdrawing their children from any and all topics included in the Family Life Education portion. The course may be taught for elective credit for two years, as appropriate.

FOUNDATIONS OF ENGLISH 9-12 (781380)

Grades: 9, 10, 11, 12

Credit: one

Foundations of English, 9-12, is a one-credit elective course designed to provide students with the opportunities to achieve competencies in reading and writing, and to establish connections between classroom activities and post-secondary life experiences. Attention will be given to refining oral communication skills and written composition skills. Students will read a variety of literature, exploring literary themes in relation to real-life situations. This course may be taught for elective credit for four years or more, as appropriate.

FOUNDATIONS OF UNITED STATES AND VIRGINIA HISTORY (781480)

Grades: 9, 10, 11, 12

Credit: one

Foundations of United States and Virginia History is a one-credit elective course designed to provide students with a fundamental understanding of the political, economic, social and cultural growth of the United States, including the role of Virginia in this development. The material is taught through the following techniques: compare/contrast, inquiry/research, technology, reading comprehension, and problem-solving. This course may be taught for elective credit for 2 years, as appropriate.

FOUNDATIONS OF WORLD HISTORY/GEOGRAPHY (781080)

Grades: 9, 10, 11, 12

Credit: one

Foundations of World History/Geography is a one-credit elective course designed to provide students with a fundamental understanding of how past events influence the present day. Students explore the geography and history of Europe, Asia, Africa and Latin America through compare/contrast, inquiry/research, technology, reading comprehension and problem solving. This course may be taught for elective credit for two years, as appropriate.

INDEPENDENT LIVING SKILLS (789661)

Grades: 9, 10, 11, 12

Credit: one

This course, offered at Davis and Pulley Centers, is designed to teach students with disabilities skills for independent living.

LIFE SKILLS (798800)

Grades: 9, 10, 11, 12

Credit: one

This comprehensive individualized program is designed to prepare students for a style of living that will require a minimum of dependence on family. The course is geared to meet the needs of the students as they prepare to enter employment and emphasizes developing interpersonal skills, following directions, working independently, completing a task, and developing self-advocacy and other community living skills.

Credit: one

PERSONAL DEVELOPMENT (781580)

Grades: 9, 10, 11, 12

Credit: one

This special education course is designed for students who need additional social/emotional support in order to progress in the general education curriculum because their social/emotional needs affect their school performance. Course topics include: understanding yourself, goal-setting, communication, building relationships, dealing with emotions, stress management, wellness, problem-solving, decision-making, self-advocacy, and career and transition. This course is appropriate for students who have documented social/emotional needs on their individualized education program (IEP).

WORK AWARENESS AND TRANSITION (907161)

Grades: 9, 10, 11, 12

Credit: one

This option is available to high school students receiving special education services. Students explore potential career options while developing/improving skills needed for success in employment such as interpersonal/co-worker relationships. Most students participate in community work experiences as well. Students successfully completing two years of this course will satisfy the sequential elective requirement for the Standard or Modified Standard diploma.

WORK AWARENESS AND TRANSITION (907162)

Grades: 9, 10, 11, 12

Credit: two

This option is available to high school students receiving special education services. Students explore potential career options while developing/improving skills needed for success in employment such as interpersonal/co-worker relationships. Most students participate in community work experiences as well. Students successfully completing two years of this course will satisfy the sequential elective requirement for the Standard or Modified Standard diploma.

WORK AWARENESS AND TRANSITION (907163)

Grades: 9, 10, 11, 12

Credit: three

This option is available to high school students receiving special education services. Students explore potential career options while developing/improving skills needed for success in employment such as interpersonal/co-worker relationships. Most students participate in community work experiences as well. Students successfully completing two years of this course will satisfy the sequential elective requirement for the Standard or Modified Standard diploma.