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## DIRECTORY

### **Administrative Staff:**

Carole Kihm, Principal	703-533-2600
Michelle Padgett, 7 <sup>th</sup> Grade Assistant Principal	703-533-2600
Wendy Eaton, 8 <sup>th</sup> Grade, Assistant Principal	703-533-2600
Gail Bigio, Director of Student Services	703-533-2600

### **Main Office Staff:**

Tara Fortune, Principal's Administrative Assistant	703-533-2602
Leigh Webster, Finance Secretary	703-533-2615

***24 Hour Attendance Hotline*** **703-533-2626**

Fax: Main Office 703-533-2697

### **Student Services Staff:**

Pam Molina, Registrar	703-533-2603
Samantha Kramer, 7 <sup>th</sup> Grade Counselor	703-533-2638
Margaret Veenstra, 7 <sup>th</sup> Grade Counselor	703-533-4528
Bruce Walker, 7 <sup>th</sup> Grade Counselor	703-533-2627
Liane Paulson, 8 <sup>th</sup> Grade Counselor	703-533-2639
Debbie Wright, 8 <sup>th</sup> Grade Counselor	703-533-2637
Fax: Student Services Office	703-533-2672

### **The Longfellow Middle School Website & Keep In Touch**

Longfellow MS has a website at <http://www.fcps.edu/LongfellowMS/>. The site is updated very frequently. It is the school's primary means of communicating with parents. You will find a very thorough description of many topics, including some you and your children are already wondering about. Please do check out our website on a regular basis...at least weekly!

We would like to also invite you to become a Longfellow MS member of Keep In Touch. You can sign up at <http://www.fcps.edu/kit/>.

Using both of these resources now will help you to ease into life at Longfellow MS.

# INTRODUCTION

Dear Parents & Students:

Welcome to Longfellow Middle School! Our school has a tradition of excellence as exemplified by our students' outstanding achievements and our award winning programs. As one walks through the building one sees learners actively working on projects, avidly discussing novels, excitedly awaiting results of experiments, growing in physical strength and dexterity, and expanding awareness of content outside the core areas. Our mission is to ensure the success of each member of the Longfellow family by inspiring excellence in learning through academic, life skills, and service to others, so all students will achieve their maximum potential.

Longfellow is fortunate to have a remarkably talented faculty. Our staff is dedicated to working with students both in content areas and in character development through our Positive Behavior Support System. Our Lancer Code is: *Be Respectful, Be Responsible, Be Safe*. We look forward to working with you in supporting our teachers and counselors in those endeavors. We, the faculty and staff at Longfellow Middle School, are committed to the following: 1) *having a strong instructional focus with high expectations for all students so they can reach their maximum potential*; 2) *maintaining a safe, secure, and positive learning environment*; 3) *providing excellent communication to all stakeholders*; and 4) *maintaining excellence at LMS throughout the renovation process*.

All students will work with a core team of three teachers in the content areas of English, social studies, and science. A fourth academic area is mathematics. Health and physical education and elective courses complete each student's schedule of seven classes each day. Students have approximately thirty minutes for lunch.

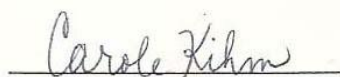
Longfellow will also offer open enrollment for Honors classes which means students are eligible to enroll in Honors science, social studies, English, and/or Math 7 Honors classes.

Additionally, Longfellow has a "Lancer Time" which is a 22-minute school-wide program embedded in the school day. For the 2010-11 school year, "Lancer Time" met at the end of the day. On Tuesdays, the students participated in silent reading and on Fridays, Longfellow's Positive Behavior Support Committee sponsored character forums. The balance of "Lancer Time" allows a student to meet with teachers to receive academic support.

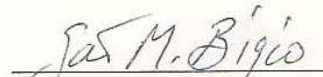
Classes in all Fairfax County middle schools are made up of students having varying abilities. Longfellow offers courses to meet specific student needs such as Advanced Academic Programs/GT, honors, special education, English for Speakers of Other Languages, and high school credit courses in math and foreign languages. All courses at Longfellow follow the FCPS Program of Studies and the Standard & Optional Middle Schools Course Offering Guide. Our philosophy is that we want our students to take the most challenging courses that they can successfully handle.

This booklet describes all course offerings at Longfellow Middle School. Please call the Student Services Office at 703-533-2603 with any questions you may have. We look forward to helping you and your child have a successful year at Longfellow.

Sincerely,



Principal



Dir. of Student Services

## SCHOOL ORGANIZATION AND STRUCTURE

**TIME:** School currently begins at 7:45 a.m. and ends at 2:40 p.m. Doors open at 7:30 a.m.

**LUNCH:** There are four lunch shifts – two seventh grade lunches and two eighth grade lunches. The student's class schedule will determine the lunch shift assigned. Approximately 30 minutes is provided for lunch.

**LOCKERS:** Each student is assigned a hall locker and a gym locker. Lockers have combination locks. **Students may not share lockers or give other students their combination.**

**AFTER-SCHOOL ACTIVITIES:** Teachers are available after school for extra-help sessions and club activities on days that late buses run. A schedule of activities, which vary each year, and available times for help sessions will be provided early in the school year. A sample of activities from the 2010-2011 school year is provided at the back of this book. Late buses are available three times per week. They leave between 3:50 to 4:15 p.m. from the school parking lot. For 2010-2011 after school clubs, visit page 35 for list of activities. 2011-12 clubs will be confirmed in October of 2011.

**STUDENT SERVICES DEPARTMENT:** The **mission** of the Longfellow Student Services Department is to provide resources and support to each student. Students are encouraged to achieve their highest potential through academic success, career exploration opportunities, and social and emotional growth. The **vision** of the Longfellow Student Services Department is to provide a data-driven program that includes individual, group, and classroom programming to promote student success. The Student Services Department consists of the Director of Student Services and five school counselors. Each counselor at each grade level is assigned to work with the students, parents, and teachers of an assigned team.

The middle school student services program provides support to students in transition from childhood to adolescence. School counselors strive to provide diverse and developmentally appropriate opportunities for their middle school students to be academically successful, capable, increasingly self-reliant and resourceful. Counselors meet with students individually and in small and large groups. Counselors also meet with teachers and parents to discuss achievement or any issue related to the student's school experiences. Parents are encouraged to contact their child's counselor if there are any questions or concerns regarding academic, social, or emotional development.

**HOMEWORK:** Students can generally expect ninety minutes of homework each night. However, time spent on homework can vary significantly from one student to another. **Students should make careful course selections as not to overload themselves with homework.** If your child regularly spends significantly more than ninety minutes on homework per day, please consult your child's counselor to discuss why this may be occurring and possible solutions.

**GRADES:** Letter grades of A, A-, B+, B, B-, C+, C, C-, D+, D, and F are reported every nine weeks. In addition, progress is reported by interim reports approximately four weeks into a grading period. All subjects send interim progress reports regardless of the grade. Report cards are mailed home and interims are emailed to parent's email address or a copy can be given to the student. Letter grades are assigned based on the following grading scale:



A (93-100) = 4.0  
A- (90-92) = 3.7  
B+ (87-89) = 3.3  
B (83-86) = 3.0

B- (80-82) = 2.7  
C+ (77-79) = 2.3  
C (73-76) = 2.0  
C- (70-72) = 1.7

D+ (67-69) = 1.3  
D (64-66) = 1.0  
F (below 64) = 0.0

**HIGH SCHOOL COURSES:** Longfellow offers students the opportunity to take certain high school level courses in middle school. These are academically rigorous courses of which most can only be taken by eighth grade students. High school courses offered are: Algebra I Honors, Algebra 1, Geometry Honors, French 1, French 2, Latin 1, and Spanish 1. **High school level courses become a part of the high school transcript record, are included in the determination of high school grade point average (GPA), and count toward the total credits required for graduation.** The withdrawal policy for high school courses taken in middle school is as follows:

1 <sup>st</sup> Quarter	No penalty-nothing is recorded
2 <sup>nd</sup> Quarter	WP (withdrawn passing) or WF (withdrawn failing) is recorded
3 <sup>rd</sup> Quarter	WP or WF is recorded
4 <sup>th</sup> 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 4<sup>th</sup> quarter. Middle school parents may request grades for any high school credit-bearing course taken in middle school to be expunged from the student’s high school transcript. The student will not receive a high school credit for the course if the course is omitted from the transcript. **If a math class is deleted, there is no corresponding SOL credit.** This request must be made in writing to the high school prior to the beginning of the next school year.

**ATTENDANCE:** Regular attendance is a necessity for maximum academic achievement. Fairfax County Public Schools require that students attend school regularly and arrive at classes punctually. While make-up work cannot substitute for missed classroom experiences, in cases of excused absences, make-up opportunities are provided and make-up work receives full credit. For unexcused absences, make-up work may be accepted for credit on a case-by-case basis. When attendance problems exist, school system resources are made available to aid in solutions to these problems.

Parents are notified when two unexcused absences from a class or classes have accrued. A conference may be requested. When a student has three or more unexcused absences from a class during the same quarter, the student may be given a failing grade for the quarter in that class. For purposes of credit and grading, excused and unexcused absences may include:

**Excused Absences**

- \*Illness of the student
- \*Death in the family
- \*Doctor/dentist appointment
- \*Observance of a religious holiday
- \*Approved prearranged absence
- \*Other reason(s) acceptable to the principal

**Unexcused Absences**

- \*Class truancy
- \*All day truancy
- \*Missing a ride or bus
- \*Unapproved prearranged absence
- \*Family trips/vacations

When it is necessary for a student to be absent from school, the parent/legal guardian is to call the school and explain the reason for the absence. **The 24 Hour Attendance Hotline is 703-533-2626.** Such calls are to be made each day of absence, preferably between 7:15 a.m. and 9:30 a.m. If parents do not make contact on the day of absence, students are to bring a note to the main office upon returning to school explaining the reason for the absence.

**MIDDLE SCHOOL PROMOTION POLICY:** 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, at the discretion of the principal, and encouraged to participate in an intervention program. Based upon the extent to which a student demonstrates knowledge and competency of identified standards of achievement in an intervention program, he/she is promoted or retained. Students who are promoted may receive continued intervention throughout the following school year. If students do not participate in an intervention program, they are retained at the discretion of the principal.

**Students who earn an “F” in three or four core courses will be retained.**

**FCPS ONLINE COURSES:** FCPS Online Campus is a program designed to provide students with an online option for earning credits toward high school graduation. Students registered in any Fairfax County public high 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 medical needs requiring a home or hospital setting. Students interested in enrolling in an FCPS Online Campus course should consult their school counselor for information regarding the registration process.

## ENRICHED PROGRAMS FOR ELIGIBLE STUDENTS

**ADVANCED ACADEMIC PROGRAMS/GT CENTER-BASED SERVICES:** Longfellow offers gifted and talented center-based (AAP Level IV) services. Our full time center program offers eligible students a challenging academic program designed to meet the needs of highly gifted students. While these students work with academic peers in core subject areas, they are provided with opportunities to interact with the entire student body in activities such as student government, physical education, and a variety of electives. Many center-based students participate in various enrichment activities at Longfellow, and also take part in the traditionally strong music and fine arts programs. Because a large number of our AAP Level IV students are accepted into Thomas Jefferson High School for Science and Technology (TJHSST) each year, the Longfellow staff works closely with the TJHSST staff regarding orientation, admission procedures, and vertical articulation.

**HONORS CURRICULUM:** Longfellow offers honors classes in the core subject areas of English, mathematics, science, and social studies. Honors classes are available to both 7<sup>th</sup> and 8<sup>th</sup> grade students. The honors classes offer students who demonstrate previous high achievement in specific areas of academic strength the opportunity to experience the Extended Program of Studies at greater levels of depth and complexity. Candidates for participation in the honors program are students who have demonstrated high achievement on standardized tests, students who have consistently demonstrated a high level of academic success, and students with qualities consistent of a motivated learner.

Students are automatically considered for Math Honors 7 if they completed Compacted Mathematics 6 (or a year-long accelerated program). Students who have completed sixth grade mathematics may consider this course based on a holistic view of ability. Test data; such as, achievement test results, grades in mathematics, and teacher input are consideration factors.

Students enrolled in 7<sup>th</sup> grade Honors classes carry the placement into 8<sup>th</sup> grade unless there is a question regarding whether or not the placement is appropriate. In such cases, parent, teacher, and school counselor will meet to discuss options.

**ESOL (English as a Second Language):** Placement will be determined by spring testing and consultation with elementary school staff.

**Special Education:** Classes will follow the individual's educational plan submitted for the student.



## 7<sup>TH</sup> GRADE COURSE SELECTION OVERVIEW

### REQUIRED COURSES:

English/Language Arts  
Mathematics  
Investigations in Environmental Science  
U.S. History (1865-Present)  
Health and Physical Education 7

### ELECTIVE CHOICE:

#### Full Year:

Band, Beginning  
Band, Intermediate/Advanced  
Orchestra, Beginning  
Orchestra, Intermediate/Advanced  
Women's Chorus  
Men's Chorus  
French 1, Part A\*  
Spanish 1, Part A\*  
French 1 \*\* (Kent Gardens ES Immersion Students)

#### Semester (Half Year) Classes

Art Foundations (Formerly Introductory Art)  
Computer Solutions  
Creative Writing  
Digital Input Technologies (Prereq.)  
Family and Consumer Sciences 7  
Journalism  
Music Participation Lab  
Peer Mediation (Interview, 2012 Spring Class)  
Speech Arts Appreciation  
Technology Exploration 7  
Theatre Arts Appreciation

\*Must complete French 1 or Spanish 1, Part B (in 8<sup>th</sup> grade) to receive high school credit.

\*\*Participation in the Kent Gardens ES Immersion Program is a prerequisite (see page 16).

## 7<sup>TH</sup> GRADE CURRICULUM

### ENGLISH 7 - (111000)

#### **Grade: 7**

Students study a wide range of literature, engaging with the text in a variety of ways in order to build comprehension and fluency. Emphasis is placed on developing higher order thinking skills, including critical analysis and evaluation. Through frequent writing assignments, students grow and develop as writers by mastering the six traits of writing: ideas, organization, voice, word choice, sentence fluency and conventions. They use writing to develop ideas, explore new concepts and build on their understanding of writing as a process of drafting, revising, editing, proofreading, and publishing. Students also develop collaboration, discussion and oral communication skills, and learn to adapt speaking and listening to the audience, topic, purpose, and situation. Reading and writing competencies addressed in the Virginia Standards of Learning are incorporated into the course objectives. **Students are required to take the grade level Standards of Learning Tests.** Honors and Advanced Academic Programs/GTC services are provided for students who qualify.

### UNITED STATES HISTORY, 1865 TO THE PRESENT - (235500)

#### **Grade: 7**

The grade seven program provides a survey of American history since 1865. This course incorporates the four strands of history, geography, civics, and economics. Important trends in American history are identified by the analysis of the role of ideas, individuals, and important events. Students develop historical-thinking skills and extend their understanding of how geography shapes history. **Students are required to take the Standards of Learning End of Course Test.** Honors and Advanced Academic Programs/GTC services are provided for students who qualify.

## **INVESTIGATIONS IN ENVIRONMENTAL SCIENCE - (411500)**

**Grade: 7**

Investigations in Environmental Science builds upon the experiences in the life sciences introduced to students in upper-elementary grades. To augment the inquiry-based investigations, computer technologies including graphing calculators, Vernier probeware, CD-ROMs, and streaming videos are used to build background knowledge and enhance student understanding. Process skills related to scientific investigation, reasoning, and logic are integrated throughout the course as students carry out investigations, collect and analyze data, and formulate conclusions. (*Science skills -- designing experiments, collecting, organizing, interpreting data, and constructing models -- are integrated throughout the course.*) Honors and Advanced Academic Programs/GTC services are provided for students who qualify.

## **MATHEMATICS 7 - (311100)**

**Grade: 7**

**Prerequisite: Grade 6 Mathematics**

Students examine algebra- and geometry-preparatory concepts and skills; strategies for collecting, analyzing, and interpreting data; and number concepts and skills especially proportional reasoning. Reasoning, problem solving, communication, concept representation, and connections among mathematical ideas are emphasized in a hands-on learning environment. Graphing calculators and computers are integrated with instruction. This course provides students the opportunity to acquire the concepts and skills necessary for success in Algebra I or Algebra I Honors. Students who have mastered the standards for Mathematics 7 & 8 in grade 7 are eligible to take Algebra I in grade 8. **Students are required to take the Standards of Learning End of Course Test.**

## **HONORS MATH 7 - (311103)**

**Grade: 7**

**Prerequisite: Mastery of grade 6 advanced math curriculum and appropriate achievement on grade level Standards of Learning Tests or appropriate score on diagnostic test, combined with multiple indicators of mathematical competency; e.g. grades and standardized test scores.**

Honors math is a fast-paced non-traditional approach to advanced mathematics. The emphasis of the course is on problem solving, theory, and abstract reasoning. A college-level textbook is used for reference in this course. Mathematics 7 Honors reinforces, extends, and enriches the Mathematics 8 topics at an advanced level foreshadowing their applications in future mathematical studies. This course provides students the opportunity to acquire the concepts and skills necessary for success in Algebra I or Algebra I Honors. **Students are required to take the grade 8 Standards of Learning Mathematics Test.**

## **ALGEBRA I HONORS - (313036)**

**Grade: 7**

**Credit: 1**

**Prerequisite: Students must score at the 91st percentile on the Iowa Algebra Aptitude Test and score pass-advance on the 7th grade Standards of Learning test.**

The depth and level of understanding expected in Algebra I Honors is beyond the scope of Algebra I. Students are expected to master algebraic mechanics and understand the underlying theory, as well as apply the concepts to real-world situations in a meaningful way. Students extend knowledge and understanding of the real number system and its properties through the study of variables, expressions, equations, inequalities, and the analysis of data from real world phenomena. Emphasis is placed on algebraic connections to arithmetic, geometry, and statistics. Calculators and computer technologies are integral tools. Graphing calculators are an essential tool for every student to explore graphical, numerical, and symbolic relationships. (*At Longfellow additional content is selected from number theory, set theory, math logic, graphing; solving non-routine problems selected from high school math contests, The Art of Problem Solving series and college mathematics journals.*) **This course has an end-of-course Standards of Learning Test.** Algebra I Honors is a high school credit course. A .5 weight will be added to the final grade.

When taken in 7<sup>th</sup> grade, Algebra I Honors becomes a part of the high school transcript record, is included in the determination of high school grade point average (GPA), and counts as one of the required mathematics credits for high school graduation as well as toward the total credits required for graduation. Parents may request that grades be omitted from the student's transcript and the student will not earn a high school credit for the course. Students taking Algebra I Honors in 7<sup>th</sup> grade must pass the course to be promoted to 8<sup>th</sup> grade.

### **HEALTH AND PHYSICAL EDUCATION 7 - (712033/712034)**

#### **Grade: 7**

Students strengthen and/or master basic skills developed at the elementary level. Emphasis is on highly organized lead-up activities, modified games, and fitness and wellness activities. Content areas include tumbling, rhythmic activities and dance, physical fitness, wellness-related testing, fitness planning, and application of skills in selected games and sports. Students study health units on alcohol, tobacco, and other drug use prevention, disease and the human body, personal safety, injury prevention, lifetime health habits, emotional and social health, and human growth and development. *Parents may opt out their child from any topic included in the Family Life Education program.*

### **ADAPTED PHYSICAL EDUCATION - (770016)**

#### **Grades: 7 & 8**

#### **Prerequisite: Student's IEP or 504 designates Adapted Physical Education**

Adapted physical education is a developmental course for general education and/or special education students. This course serves students who are temporarily or permanently physically disabled or have deficiencies in motor coordination and/or physical fitness. This program is individualized and is directed toward improvement of deficiencies. The program includes specifically selected activities that are designed for the student's level of performance and designed to improve deficiencies, and maximize participation. Students in adapted physical education will participate in health education units required of their grade level.

## **8<sup>TH</sup> GRADE COURSE SELECTION OVERVIEW**

### **REQUIRED COURSES:**

English/Language Arts	Investigating Matter and Energy
Civics	Mathematics
Health and Physical Education 8	

### **ELECTIVE CHOICES:**

#### **Year-Long**

Art Extensions (Formerly Advanced Art/Prereq.)  
 Band, Beginning  
 Band, Intermediate/Advanced  
 Percussion Ensemble  
 Women's Chorus, Advanced  
 Men's Chorus  
 Orchestra, Beginning  
 Orchestra, Intermediate/Advanced  
 Advanced Theatre Arts Appreciation (Prereq.)  
 French 1, Part B\* (Prereq.)  
 Spanish 1, Part B\* (Prereq.)  
 French 1\*\*  
 French 2\*\*  
 Latin 1\*\*  
 Spanish 1\*\*

#### **Semester (Half Year) Classes**

Art Foundations (Formerly (Introductory Art)  
 Computers in Art (Formerly Intro. to Computers in Art/Prereq.)  
 3D Art Exploration (Formerly Intermediate Art/Prereq.)  
 Computer Solutions  
 Creative Writing  
 Digital Input Technologies (Prereq.)  
 Family and Consumer Sciences 8  
 Journalism  
 Music Participation Lab  
 Peer Mediation (Screening)  
 Speech Arts Appreciation  
 Technology Exploration 8  
 Theater Arts Appreciation

\*Must have completed French 1 and Spanish 1, Part A (in 7<sup>th</sup> Grade) to receive high school credit.

\*\*Students who complete French 1, French 2, Latin 1, or Spanish 1 will receive a high school credit. See page 5 for additional information about high school courses taught in middle school.

## 8<sup>TH</sup> GRADE CURRICULUM

### **ENGLISH 8 - (112000)**

#### **Grade: 8**

Students study a wide range of literature, engaging with the text in a variety of ways in order to build comprehension and fluency. Emphasis is placed on developing higher order thinking skills, including critical analysis and evaluation. Through frequent writing assignments, students grow and develop as writers by mastering the six traits of writing: ideas, organization, voice, word choice, sentence fluency and conventions. They use writing to develop ideas, explore new concepts and build on their understanding of writing as a process of drafting, revising, editing, proofreading, and publishing. Students also develop collaboration, discussion and oral communication skills, and learn to adapt speaking and listening to the audience, topic, purpose, and situation. Reading and writing competencies addressed in the Virginia Standards of Learning are incorporated into the course objectives. **Students are required to take the grade level Standards of Learning Tests.** Honors and Advanced Academic Programs/GTC services are provided for students who qualify.

### **CIVICS AND ECONOMICS - (235700)**

#### **Grade: 8**

The eighth grade program is designed to prepare students to be responsible, productive citizens in a democratic republic and an interconnected world. Basic knowledge and understanding of the concepts and processes of democratic government and the American economic system are stressed. Students are helped to understand the meaning of individual rights and responsibilities; the ideals of liberty, justice, equality; and the rule of law. Students learn about making choices and recognizing the consequences of decisions, including personal, political, and economic decisions. Students also learn that citizens must value individual and group expression, appreciate diversity, and develop moral values. A service-learning component helps students personalize citizenship education. **Students are required to take the Standards of Learning End of Course Test.** Honors and Advanced Academic Programs/GTC services are provided for students who qualify.

### **INVESTIGATING MATTER AND ENERGY - (412500)**

#### **Grade: 8**

Investigating Matter and Energy builds upon the experiences in the physical sciences introduced to students in the upper-elementary grades. Properties of matter, energy forms and their transformations, forces and motion, are content strands developed through a sequence of hands-on investigations. To augment the inquiry-based investigations, computer technologies including graphing calculators, Vernier probeware, CD-ROMs, and streaming videos are used to build background knowledge and enhance student understanding. Process skills related to scientific investigation, reasoning, and logic are integrated throughout the course as students carry out investigations, collect and analyze data, and formulate conclusions. (*Science skills – designing student investigations; collecting, organizing, analyzing data, and communicating results – are integrated throughout the course.*) **Students are required to take the Standards of Learning End of Course Test.** Honors and Advanced Academic Programs/GTC services are provided for students who qualify.

### **MATHEMATICS 8 – (311200)**

#### **Grade: 8**

#### **Prerequisite: Mathematics 7**

Students extend their study of algebra- and geometry-preparatory concepts and skills; strategies for collecting, analyzing, and interpreting data; and number concepts and skills especially proportional reasoning. Reasoning, problem solving, communication, concept representation, and connections among mathematical ideas are emphasized in a hands-on learning environment. Graphing calculators and computers are integrated with instruction. This course provides students the opportunity to acquire the concepts and skills necessary for success in Algebra I or Algebra I Honors. **Students are required to take the Standards of Learning Math 8 Test.**

**ALGEBRA 1 - (313000)****Credit 1****Grade: 8****Prerequisite: Middle School Mathematics 7 and Teacher Recommendation**

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.

When taken in grade 8, Algebra 1 becomes a part of the high school transcript record, is included in the determination of the high school grade point average (GPA), and counts as one of the required mathematics credits for high school graduation. Students taking Algebra 1 in grade 8 must pass the course to be promoted to grade 9. **Students are required to take the Standards of Learning End of Course Test.**

**ALGEBRA I HONORS - (313036)****Grade: 8****Credit: 1****Prerequisite: Mastery of Mathematics Honors 7 and Teacher Recommendation**

The depth and level of understanding expected in Algebra I Honors is beyond the scope of Algebra I. Students are expected to master algebraic mechanics and understand the underlying theory, as well as apply the concepts to real-world situations in a meaningful way. Students extend knowledge and understanding of the real number system and its properties through the study of variables, expressions, equations, inequalities, and the analysis of data from real world phenomena. Emphasis is placed on algebraic connections to arithmetic, geometry, and statistics. Calculators and computers technologies are integral tools. Graphing calculators are an essential tool for every student to explore graphical, numerical, and symbolic relationships. **This course has an end-of-course Standards of Learning Test.** *(At Longfellow additional content is selected from number theory, set theory, math logic, graphing; solving non-routine problems selected from high school math contests. There will be in-depth projects during the year.)*

When taken in grade 8, Algebra I Honors becomes a part of the high school transcript record, is included in the determination of high school grade point average (GPA), and counts as one of the required mathematics credit for high school graduation as well as toward the total credits required for graduation. Parents may request that grades be omitted from the student's transcript and the student will not earn a high school credit for the course. Students taking Algebra I Honors in grade 8 must pass the course to be promoted to grade 9. A .5 weight will be added to the final grade. The student must pass the SOL with a score of 400 or greater in order to earn a certified credit toward graduation. **This course has an end-of-course Standards of Learning Test.**

**GEOMETRY HONORS - (314336)****Grade: 8****Credit: 1****Prerequisite: Algebra I**

The depth and level of understanding expected in Geometry Honors is beyond the scope of Geometry. It is a proof based course. 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. There is a high school final exam. A .5 weight will be added to the final grade. The student must pass the SOL with a score of 400 or greater in order to earn a certified credit toward graduation. **Students are required to take the Standards of Learning End of Course Test.**

### ALGEBRA/GEOMETRY - (313063/314363)

**Grade: 8**

**Credits: 2**

**Prerequisite:** Permission of the instructor before June 18<sup>th</sup>, and based on work/study completed before June 18<sup>th</sup>. Students may not be placed in this course based on work completed during the upcoming summer. Exceptions may be made **ONLY** by the Principal.

A fast paced high school course covering both Algebra I Honors (18 weeks) and Advanced Geometry (18 weeks). In addition to the required Virginia Standards of Learning topics for each course, advanced problem solving techniques and additional topics will also be studied. Note that this course is for exceptional students who have completed honors math. Two high school credits will be awarded upon completion of the course and students will participate in SOL end-of-course tests for both Algebra and Geometry. A .5 weight will be added to the final grade. The student must pass the SOL with a score of 400 or greater in order to earn a certified credit toward graduation.

**Note: Admissions to Thomas Jefferson High School for Science and Technology requires successful completion of Algebra 1 prior to ninth grade.**

### HEALTH AND PHYSICAL EDUCATION 8 - (720033/720034)

**Grade: 8**

Students continue to strengthen and/or master basic skills, and participate in wellness activities and wellness-related testing and fitness planning. Content areas include tumbling, rhythmic activities and dance, and application of skills in selected games and sports. Students begin to review lifetime sports and activities for lifetime wellness planning. Students study health units on alcohol, tobacco, and other drug use prevention, personal safety, injury prevention, lifetime health habits, emotional and social health, and human growth and development. *Parents may opt out their child from any topic included in the Family Life Education program.*

## **ELECTIVE COURSES**

**CHOOSING ELECTIVES:** Careful selection of electives is very important. Some electives have as much or more “homework” (or, in some cases, daily practice) as core subjects. For each elective listed, we have attempted to indicate the possible homework expectations by using the terms **daily**, **frequent**, **occasional**, or **seldom**. Rely on these descriptions. Do not expect teachers to adjust homework levels due to core homework assignments and projects.

There are seven class periods in a day. Five classes are selected based on a required curriculum. However, students have the opportunity to select from a variety of elective courses to complete the school day. Elective courses may be semester (half year) or full year courses. Students must choose one of the following options when selecting elective courses:

**Option 1:**     Two Full Year Electives

**Option 2:**     One Full Year Elective -- AND -- Two Semester Electives

**Option 3:**     Four Semester Electives

All offerings are subject to adequate enrollment and staffing. If a course must be cancelled, an alternative elective will be selected according to the preference order number on the course selection sheet. In some cases, students will be assigned electives that were not selected.

## FAMILY AND CONSUMER SCIENCES

### Family & Consumer Sciences 7 - (826332)

Semester Course

Grade: 7

Homework Potential: Seldom

This semester course uses higher order thinking skills that will help students develop responsible and positive attitudes toward their societal roles. Through lab experiences and simulated activities with peers, students will develop basis skills in sewing, clothing care, food management, care of others, and management of space and self. **This course requires a student materials fee as listed in FCPS Notice 5922.**

### Family & Consumer Sciences 8 - (824432)

Semester Course

Grade: 8

Homework Potential: Seldom

This semester course uses higher order thinking skills and simulated life experiences that enable the student to meet challenges in clothing and food management, career awareness, fitness and wellness, personal development, and relationships with others. Career exploration activities assist students with high school course selection. **This course requires a student materials fee as listed in FCPS Notice 5922.**

## FINE ARTS

### ART CLASSES:

#### Art Foundations (Formerly Introductory Art) - (910532)

Semester Course

Grades: 7 & 8

Homework Potential: Occasional

Explore a variety of art materials, develop art techniques, and use creative thinking skills to express ideas and viewpoints about personal experiences and the world. Produce meaningful and unique drawings, paintings, prints, sculptures, ceramics and crafts in a studio setting. Study artists and their works to gain understanding of the artistic process and learn about art produced at different times and in diverse cultures. Make interdisciplinary connections based on the Virginia Standards of Learning for all disciplines. **This course requires a student materials fee as listed in FCPS Notice 5922.**

#### 3D Art Exploration (Formerly Intermediate Art) - (910632)

Semester Course

Grade: 8

Prerequisite: Art Foundations

Homework Potential: Occasional

Work in the third-dimension by creating sculptures, ceramic objects, models and installations that express ideas about personal experiences and observations of the world. Learn to use a variety of art media, non-traditional materials, tools and equipment to compose, construct, and form functional and decorative artworks. Build knowledge, refine skills, improve techniques, and craftsmanship to meet challenges and solve problems in unique ways. Investigate three-dimensional artworks produced by artists in different times and places to inform the art making process.

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

#### Computers in Art (Formerly Introduction to Computers in Art) – (911564)

Semester Course

Grade: 8

Prerequisite: Art Foundations (3D Art Explorations experience preferred)

Homework Potential: Occasional

Use the computer as a tool for creating original artwork. Work with a variety of software applications including Adobe Photoshop and Adobe Illustrator or other available software to explore subjects, ideas and themes related to living in the world. Make interdisciplinary connections based on the Virginia Standards of Learning for all disciplines and develop knowledge regarding ethical issues concerning computer generated imagery. Prior computer experience is not required.

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

**ART EXTENSIONS (Formerly Advanced Art) - (911500)****Full Year Course****Grade: 8****Prerequisite: Above average grade in Art Foundations and/or 3D Art Exploration and teacher recommendation or portfolio review.****Homework Potential: Occasional**

Full Year offers an opportunity for eighth grade students with interest and above average performance in art to refine their artistic skills and techniques. Students interpret and express personal feelings, experiences, and observations in advanced level art projects. They work with a variety of media and tools including technological applications in drawing, painting, printmaking, and sculpture and they evaluate and critique their own and other students' artwork. Students study art history and culture and analyze the works of great artists while making interdisciplinary connections based on the Virginia Standards of Learning for all disciplines.

**This course requires a student materials fee as listed in FCPS Notice 5922.****LITERARY ARTS:****Creative Writing - (110862)****Semester Course****Grades: 7 & 8****Homework Potential: Frequent**

Students develop their creative writing talents with emphasis on building skills and expertise as writers. Instruction will focus on the writing of poetry, short stories, plays, and descriptions. Students refine their skills in use of the six traits of writing through planning, drafting, revising, and editing written work. Students expand their writing skills through analyzing and evaluating their own writing and that of other writers.

**Journalism - (116168)****Semester Course****Grades: 7 & 8****Homework Potential: Frequent**

Students learn basic publication and journalism skills focusing on writing articles and designing layouts for sample pages of a newspaper. *Class publishes a quarterly newspaper.*

**Speech Arts Appreciation - (310062)****Semester Course****Grades: 7 & 8****Homework Potential: Frequent**

This course affords the student the opportunity to develop confidence, to build oral communication skills, and to practice research skills that are useful in all disciplines. Students participate in group activities, prepare and deliver various types of presentations, and experiment with oral interpretation. The goal of this course is to encourage enthusiasm for the speech arts through success-oriented activities. *Students will research, create and present video segments to be aired on the Lancer Life School News Program.*

**THEATER ARTS:****Theater Arts Appreciation - (139067)****Semester Course****Grades: 7 & 8****Homework Potential: Occasional**

Students develop an appreciation of theatre and the ability to perform through an introduction to the basic concepts and skills of acting. Through viewing and participating in a variety of performance activities, students will enhance imagination, poise, and confidence. Students will use the skills and knowledge obtained to appreciate and understand the purpose of theatre arts in school and other activities. **This course requires a student materials fee as listed in FCPS Notice 5922.**

**Advanced Theater Arts Appreciation - (139568)****Full Year Course****Prerequisite: Theater Arts Course in Grade 7 and/or recommendation of Teacher****Homework Potential: Occasional**

Students who are continuing the study of theatre arts for a second year will be able to apply and expand the skills developed in the introductory class. They will participate in a variety of dramatic activities and perform for varied audiences. This course is designed for students who are interested in an expanded study of theatre arts and oral communication. **This course requires a student materials fee as listed in FCPS Notice 5922.**

<b>FOREIGN LANGUAGE</b>
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**French 1 Part A - (511300)****Full Year Course****Grade: 7****Prerequisite: None****Homework Potential: Frequent**

In this course, students begin to develop the ability to communicate about themselves and their immediate environment using simple sentences containing basic language structures. These language structures include subject pronouns; the verbs to be, to have and basic regular verbs; subject-verb agreement; and expressions of likes and dislikes. Students begin to study the POS themes and topics of level 1. Students also explore traditions, customs, beliefs, and cultural contributions and how these elements relate to language. This course does not count as a foreign language high school credit.

**Spanish 1 Part A – (551300)****Full Year Course****Grade: 7****Prerequisite: None****Homework Potential: Frequent**

In this course, students begin to develop the ability to communicate about themselves and their immediate environment using simple sentences containing basic language structures. These language structures include subject pronouns; the verbs to be, to have and basic regular verbs; subject-verb agreement; and expressions of likes and dislikes. Students begin to study the POS themes and topics of level 1. Students also explore traditions, customs, beliefs, and cultural contributions and how these elements relate to language. This course does not count as a foreign language high school credit.

**French 1 Part B – (511500)****Full Year Course****Grade: 8****Credit: 1****Prerequisite: French 1 Part A or permission of instructor****Homework Potential: Frequent**

Students continue to develop the ability to communicate about themselves and their immediate environment using simple sentences containing basic language structures. This communication is evidenced in all four language skills – listening, speaking, reading and writing – with emphasis on the ability to communicate orally and in writing. Students continue to explore and study the POS themes of Personal and Family Life, School Life, Social Life, and Community Life. Credit becomes a part of the high school transcript is included in the determination of the high school grade point average (GPA), and counts towards fulfilling the foreign language requirements of the high school Advanced Studies diploma. It also counts towards the number of credits required for high school graduation.

**Spanish 1 Part B – (551500)****Grade: 8****Full Year Course****Credit: 1****Prerequisite: Spanish 1, Part A or permission of instructor****Homework Potential: Frequent**

Students continue to develop the ability to communicate about themselves and their immediate environment using simple sentences containing basic language structures. This communication is evidenced in all four language skills – listening, speaking, reading and writing – with emphasis on the ability to communicate orally and in writing. Students continue to explore and study the POS themes of Personal and Family Life, School Life, Social Life, and Community Life. Credit becomes a part of the high school transcript, is included in the determination of the high school grade point average (GPA), and counts towards fulfilling the foreign language requirements of the high school Advanced Studies diploma. It also counts towards the number of credits required for high school graduation.

**French 1 - (511067)****Grade: 7****Full Year Course****Credit: 1****Prerequisite: Participation in Kent Gardens ES Immersion Program or permission of instructor.****Homework Potential: Frequent**

This 7<sup>th</sup> grade course serves as a transition from elementary partial-immersion to the sequential world language high school program. Students expand their knowledge of the language to include communicating about themselves and their immediate environment. This communication is evidenced in all four language skills: listening, speaking, reading, and writing, with an emphasis on the ability to communicate orally and in writing. The content of this course is aligned with the Level 1 POS. Credit becomes a part of the high school transcript, is included in the determination of the high school grade point average (GPA), and counts towards fulfilling the world language requirements of the high school Advanced Studies diploma. It also counts towards the number of credits required for high school graduation.

**French 2 - (512068)****Grade: 8****Full Year Course****Credit: 1****Prerequisite: Participation in 7<sup>th</sup> grade immersion class or permission of instructor.****Homework Potential: Frequent**

This 8<sup>th</sup> grade course is designed to meet the needs of the immersion students in regard to their second language development. Students continue their development of language proficiency in all four skills: listening, speaking, reading, and writing. They read material on familiar topics and produce short writing samples while studying the themes and topics of Home Life, Student Life, Leisure Time, and Vacation and Travel. The content of this course is aligned with the Level 2 POS. Credit becomes part of the high school transcript, is included in the determination of the high school grade point average (GPA), and counts towards fulfilling the world language requirements of the Advanced Studies diploma. This course counts toward the number of credits required for high school graduation.

**French 1 - (511000)****Latin 1 - (531000)****Spanish 1 - (551000)****Grade: 8****Full Year Course****Full Year Course****Full Year Course****Credit: 1****Homework Potential: Frequent**

Students learn to understand and produce the sounds, stress patterns, and intonation of the language. They develop proficiency in all four-language skills: listening, speaking, reading, and writing with emphasis on the ability to communicate orally. They take part in everyday simple conversations using basic grammatical structures and learn to read and write simple questions and answers. Students also study basic facts about the geography, customs, and culture of the country. 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 diplomas. It also counts toward the total number of credits required for graduation. **Middle school students enrolling in a high school foreign language class must have excellent study skills, a strong motivation to succeed, and a grade of B or higher in seventh grade English.**

**Note:** French 1, Latin 1, or Spanish 1 is recommended for eighth graders intending to pursue the International Baccalaureate (IB) Diploma at Marshall High School.

## TECHNOLOGY EDUCATION

### Technology Exploration 7 - (846432)

**Grade: 7**

**Homework Potential:** Seldom

**Semester Course**

Students are provided active learning situations and higher-order thinking skill development through practical problem-solving experiences; experience with technology; and exploration of personal interests, aptitudes, and abilities. The goal of the course is to prepare students to be technologically literate through the study of resources, processes, systems, and impacts of technology. The modular “synergistic” labs provide active learning situations that allow students to explore technology and related careers. Students will examine the origins of various materials used in our world and create projects using these materials. Instruction on how to use various hand and power tools is included; providing an invaluable life long skill set. **This course contains a wood working component/shop and will require a student materials fee as listed in FCPS Notice 5922.**

### Technology Exploration 8 - (846332)

**Grade: 8**

**Homework Potential:** Seldom

**Semester Course**

Technological Systems is the concluding technology education experience at the middle school level. By simulating technological systems and assessing their impacts as well as applying and expanding what they have learned in academic subjects and previous technology education courses, students acquire a global view of technology. The modular “synergistic” labs provide active learning situations that allow students to explore technology and related careers. The content covered in all modular labs is designed to reinforce the Virginia Standards of Learning (SOL) in math, science, language arts, social studies, and technology. Students will examine the origins of various materials used in our world and create projects using those materials. Instruction on how to use various hand and power tools is included; providing an invaluable life long skill set. **This course contains a wood working component/shop and will require a student materials fee as listed in FCPS Notice 5922.**

## MUSIC PROGRAM

### Music Participation Lab - (921132)

**Grades: 7 & 8**

**Homework Potential:** None

**Semester Course**

In this course, students will work independently and in groups to practice reading music and playing piano and guitar. No previous musical experience is necessary. Experienced musicians will be able to further develop and refine their skills. **This course requires a student materials fee as listed in FCPS Notice 5922.**

### **BAND:**

#### Beginning Level Band - (923210)

**Grades: 7 & 8**

**Homework Potential:** Frequent

**Full Year Course**

Beginning Level Band classes develop skill on woodwind and brass instruments only. No previous musical experience necessary and guidance will be given by the instructor in the selection of an instrument. Simple duets, rounds, and other ensemble literature will be performed in class as students develop ensemble, rehearsal, and performance skills. Rehearsals and performances outside of the normal school hours are required as a part of the course. All students will perform in the winter and spring concerts and will participate in the Musicale Festival at Busch Gardens in the spring. **A uniform fee will be charged; financial assistance may be requested through the director. A materials fee may be required as listed in FCPS Notice 5922.**

### **Intermediate Level Band - (923310)**

#### **Concert Band and Wind Ensemble**

**Grades: 7 & 8**

**Prerequisite: Audition by the Instructor**

**Homework Potential:** Frequent

**Full Year Course**

Intermediate Level Band will continue to develop skills on woodwind, brass, and percussion instruments. A variety of musical styles will be studied through the playing of band literature in class as students develop ensemble, rehearsal, and performance skills. Rehearsals and performances outside of normal school hours are required as a part of this course. All students will perform in the winter and spring concerts, the District Band Festival, and the Musicale Festival at Busch Gardens in the spring. **A uniform fee will be charged; financial assistance may be requested through the director. A materials fee may be required as listed in FCPS Notice 5922.**

### **Advanced Level Band - (923410)**

#### **Symphonic Band**

**Grades: 7 & 8**

**Prerequisite: Audition by the Instructor**

**Homework Potential:** Frequent

**Full Year Course**

Advanced Level Band offers instruction to the advanced player. The Symphonic Band is the premier performing ensemble at the middle school level. In-depth study of musical styles will be realized through challenging band literature in class as students develop ensemble, rehearsal, and performance skills. Rehearsals and performances outside of normal schools hours will be required as a part of this course. The Symphonic Band represents the school in numerous concerts, festivals, and state and national music conventions and conferences. The Symphonic Band performs in the winter and spring concerts, the District Band Festival, the District Solo and Ensemble Festival and the Musicale Festival at Busch Gardens in the spring. Instrumentation of the group is at the discretion of the instructor. **A uniform fee will be charged; financial assistance may be requested through the director. A materials fee may be required as listed in FCPS Notice 5922.**

### **Percussion Ensemble - (925010)**

**Prerequisite: Audition by the Instructor**

**Homework Potential:** Frequent

**Full Year Course**

This class is designed to meet the specific needs and/or interests for percussion instruments. These students will continue to develop skills on a variety of instruments, including snare drum, timpani, and the keyboard instruments. Content includes study of the appropriate ensemble literature and rehearsal and performance techniques from various areas of musical composition as students develop ensemble, rehearsal, and performance skills. Performances and rehearsals both in and out of school will be required. The Percussion Ensemble is comprised of all students at the Intermediate Band level studying percussion with at least a year of previous percussion experience. All students will perform in the winter and spring concerts, the District Band Festival, the District Solo and Ensemble Festival, and the Musicale Festival at Busch Gardens in the spring. All students selecting this course should mark the intermediate/advanced box on the course selection sheet.

**A uniform fee will be charged; financial assistance may be requested through the director. A materials fee may be required as listed in FCPS Notice 5922.**

### **CHORUS:**

#### **Women's Chorus - (926010)**

**Grade: 7**

**Homework Potential:** Seldom

**Full Year Course**

This choir is open to all 7<sup>th</sup> grade girls regardless of previous choral experience. Through a variety of choral literature, students will develop ensemble, rehearsal, music-reading, and performance skills. Performances throughout the year include quarterly concerts, district choral events, frequent collaborations with the McLean High School choral department and musical dramas or children's operas. Rehearsals and performances outside of normal school hours will be required as a part of this course. The choir will perform in a music festival at Busch Gardens in the spring. **A uniform fee will be charged; financial assistance may be requested through the director. A materials fee may be required as listed in FCPS Notice 5922.**

### **Advanced Women's Chorus - (928911)**

**Grade: 8**

**Prerequisite: 7<sup>th</sup> grade choir or similar experience**

**Homework Potential: Seldom**

**Full Year Course**

This course offers advanced instruction in vocal techniques, choral masterworks and music – reading. Through a diverse repertoire of choral literature, students will continue to develop ensemble, rehearsal and performance skills. Performances throughout the year include quarterly concerts, district choral events, frequent collaborations with the McLean high School choral department and musical dramas or children's operas. Rehearsals and performances outside of normal school hours will be required as a part of this course. The choir will perform in a music festival at Busch Gardens in the spring. **A uniform fee will be charged; financial assistance may be requested through the director. A materials fee may be required as listed in FCPS Notice 5922.**

### **Men's Chorus - (926012)**

**Grades: 7 & 8**

**Homework Potential: Seldom**

**Full Year Course**

This Choir is open to all 7<sup>th</sup> and 8<sup>th</sup> grade boys regardless of previous musical experience. Students will develop ensemble, rehearsal, music-reading, and performance skills while paying particular attention to the joys and challenges of the boy's changing voice. Performances throughout the year include quarterly concerts, district choral events, frequent collaborations with the McLean High School choral department and musical dramas or children's operas. Rehearsals and performances outside of normal school hours will be required as a part of this course. The choir will perform in a music festival at Busch Gardens in the spring. **A uniform fee will be charged; financial assistance may be requested through the director. A materials fee may be required as listed in FCPS Notice 5922.**

## **ORCHESTRA:**

### **Beginning Level String Orchestra - (923710)**

**Grades: 7 & 8**

**Homework Potential: Frequent**

**Full Year Course**

Beginning level string class introduces students to the instruments in a string orchestra: violin, viola, cello and double bass. No previous musical experience is necessary, and guidance will be given by the instructor in the selection of an instrument. Simple duets, rounds, and other literature will be performed in class as students develop ensemble, rehearsal and performance skills. Rehearsals and performances outside of normal school hours are required as a part of this course. All beginning students will perform in the winter and spring concerts. Those who maintain eligibility may also participate in the spring competition trip to Busch Gardens/Hershey Park. **A uniform fee will be charged; financial assistance may be requested through the director. A materials fee may be required as listed in FCPS Notice 5922.**

### **Intermediate Level String Orchestra - (923810)**

**"Preparatory" and "Concert" Orchestras**

**Grades: 7 & 8**

**Prerequisite: Audition by the Instructor**

**Homework Potential: Frequent**

**Full Year Course**

Intermediate Level Orchestra offers continued development of ensemble, rehearsal and performance skills to intermediate level string students. A variety of musical styles will be studied through the playing of appropriate string orchestra literature. Rehearsals and performances outside of normal school hours are required each quarter as a part of this course. Intermediate students will perform quarterly in the fall, winter, District Festival and spring concerts. Those who maintain eligibility may also participate in the spring competition trip to Busch Gardens or Hershey Park. The instrumentation of each ensemble will be decided at the instructor's discretion. **A uniform fee will be charged; financial assistance may be requested through the director. A materials fee may be required as listed in FCPS Notice 5922.**

## **Advanced Level String Orchestra - (923910 and 923911)**

**“Concert” and “Chamber” Orchestras**

**Grades: 7 & 8**

**Prerequisite: Audition by the Instructor**

**Homework Potential:** Frequent

**Full Year Course**

Advanced Level Orchestra is designed to meet the technical and artistic needs of the advanced string player. Through an in-depth study of challenging string orchestra literature, students will continue to develop and refine various ensemble, rehearsal and performance skills. Additionally, Chamber Orchestra students are frequently asked, and expected, to perform for various community and state-wide events. Rehearsals and performances outside of normal school hours are required each quarter as part of this course. Advanced students will perform quarterly in the fall, winter, District Festival and spring concerts. Those who maintain eligibility may also participate in the spring competition trip to Busch Gardens or Hershey Park. The instrumentation of each ensemble will be decided at the instructor’s discretion. **A uniform fee will be charged; financial assistance may be requested through the director. A materials fee may be required as listed in FCPS Notice 5922.**

## **PEER MEDIATION**

**Peer Mediation - (980960)**

**Semester Course**

**Grades: 7 & 8**

**Prerequisite: Successful completion of the selection procedures, including application, teacher/administration recommendations, and interview. 2012 spring class for 7<sup>th</sup> graders.**

**Homework Potential:** Seldom

This course is designed to train students to implement a peer mediation program in the middle school. The training program develops students’ interpersonal support and leadership skills for the purpose of understanding conflict resolution so that they may serve as peer mediators and work with other students to resolve disputes. Students are taught the mediation process through intensive training sessions focusing on defining conflicts, identifying needs, understanding different points of view, examining methods of prejudice reduction, identifying conflict management styles, practicing collaborative problem solving, and developing communication skills. Seventh grade students are recruited in the fall of seventh grade for participation in spring semester. Eighth grade students are recruited in the spring of seventh grade for participation in fall of eighth grade.

## **BUSINESS & INFORMATION TECHNOLOGY**

**Computer Solutions - (615032)**

**Semester Course**

**Grades: 7 & 8**

**Homework Potential:** Seldom

Computer Solutions provides students with the skills necessary to use the computer as a problem-solving tool to complete a variety of projects. Students participate in team building activities that include both academic and business competencies. Basic touch keyboarding instruction is provided in the course as well as an introduction to software applications. Students will then use these computer skills to complete cross-curricular activities.

**Digital Input Technologies - (616032)**

**Semester Course**

**Grades: 7 & 8**

**Prerequisite: Computer Solutions or equivalent skill/instructor approval**

**Homework Potential:** Occasional

Digital Input Technologies introduces new and emerging input devices (e.g., speech- and handwriting-recognition software, headset/microphone, personal data assistant [PDA], scanner, digital camera, keyboard, and mouse) to prepare students for using tools that are becoming standard in the workplace and in everyday life.

## SPECIAL EDUCATION

### **Special Education Resource Services**

#### **Grades: 7 & 8**

Special education services at the resource level provide additional support and basic skills training for students who are in the regular education program and need individualized instruction and accommodations in areas that are defined by an Individual Education Plan (IEP).

### **Special Education Self-Contained Services**

#### **Grades: 7 & 8**

Students who require individualized instruction and remediation to progress in the general education curriculum are enrolled in self-contained classes, classes with a lower pupil-teacher ratio taught by a special education teacher. The emphasis of these classes is intensive remediation and reinforcement in the academic areas specified by an IEP. Students in self-contained classes follow the Program of Studies, as adapted to their needs, and progress on IEP goals.

### **Basic Skills – (781980)**

#### **Grades: 7 & 8**

#### **Full Year Course**

This elective course is designed to provide support to a student in core curricular areas and to provide direct instruction in specific learning strategies, student 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. The course may be taught as an elective both years, as appropriate.

### **Life Skills (798816)**

#### **Grades: 7 & 8**

#### **Full Year Course**

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. *This class replaces an elective as determined by the IEP team.*

### **Reading – (110780/110840)**

#### **Grades: 7 & 8**

#### **Full Year Course**

Reading classes provide an opportunity for students to improve both reading and study skills. Students learn reading skills and strategies that improve comprehension of fiction and nonfiction material. Reading competencies addressed in the Virginia Standards of Learning are incorporated into the course objectives. *This class replaces an elective as determined by the IEP team.*

### **Work Awareness and Transition – (907060)**

#### **Grades: 7 & 8**

#### **Full Year Course**

This course is designed to explore possible careers to help students plan for high school courses. Students learn work-related skills and behaviors such as attitude towards work and appropriate interpersonal/co-worker relationships. *This class replaces an elective as determined by the IEP team.*

## ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL)

The middle school ESOL program comprises a range of courses to meet the cultural, linguistic, and academic needs of middle school Level 1, 2, 3, and 4 students. The language objectives of the program are based on the 7<sup>th</sup> and 8<sup>th</sup> grade English Language Arts standards, benchmarks, and indicators. The primary goal of all middle school ESOL courses is language acquisition. Courses that are based on science and social studies use that content as the vehicle for language learning.

The intent of the ESOL curriculum is to help students develop social and academic language proficiency, and to provide students with foundational academic learning that will support their successful achievement of the Virginia Standards of Learning.

### **Beginning ESOL English - (571061)**

**WIDA ELP Level 1 & 2**

**Grades: 7 & 8**

**Full Year Course**

This is one of two English classes in which WIDA ELP Level 1 & 2 students may be enrolled. This class is designed to support the development of academic language and skills through alignment with the grade level Language Arts standards. It maintains a focus on vocabulary development, literacy skills and the writing process. This course may be repeated. **Students are required to take the Standards of Learning End of Course Test.**

### **Beginning ESOL English - (571062)**

**WIDA ELP Level 1 & 2**

**Grades: 7 & 8**

**Full Year Course**

This is the second of two English classes in which WIDA ELP Levels 1 & 2 students may be enrolled. This class is designed to support the development of academic language and skills through alignment with the grade level Language Arts standards. It maintains a focus on vocabulary development, literacy skills and the writing process. This course may be repeated. **Students are required to take the Standards of Learning End of Course Test.**

### **ESOL US History 7 - (571217)**

**WIDA ELP Level 1 & 2**

**Grade: 7**

**Full Year Course**

This is the Social Studies class in which grade 7 WIDA ELP Levels 1 & 2 students are enrolled. It is aligned with the grade 7 US History II Standards of Learning and the FCPS POS. This class is designed to support the development of academic language and skills through alignment with the grade level Social Studies Standards. It supports the development of vocabulary and academic discourse of Social Studies. **Students are required to take the Standards of Learning End of Course Test.**

### **ESOL Civics & Economics 8 - (571218)**

**WIDA ELP Level 1 & 2**

**Grade: 8**

**Full Year Course**

This is the Social Studies class in which grade 8 WIDA ELP Levels 1 & 2 students are enrolled. This class is designed to support the development of academic language and skills through alignment with the grade 8 Civics and Economics standards. It supports the development of vocabulary and academic discourse of Social Studies. **Students are required to take the Standards of Learning End of Course Test.**

**ESOL Focus Science - (571400)**

**WIDA ELP Level 1 & 2**

**Grades: 7 & 8**

**Full Year Course**

This course is the science course for WIDA ELP Levels 1 & 2 students. It is designed to develop the academic language of science through scaffolded grade level labs. Students explore the scientific process along with key vocabulary and concepts through Life and Physical Science. This course may be repeated. **Students are required to take the Standards of Learning End of Course Test.** *(Student enrollment is dependent on the number of students eligible for this program in the 2011-12 school year.)*

**ESOL Fast Math - (571300/319900)**

**WIDA ELP Level 1 & 2**

**Grades: 7 & 8**

**Full Year Course**

This is the course for WIDA ELP Levels 1 & 2 students who have significant gaps of two or more years below grade level in mathematics skills & concepts. This course is an articulated mathematics curriculum from the grade 7 mathematics standards. FAST Math is designed and developed around a framework of skills progression to accommodate multiple points that recognize students' different strengths and supported differentiated instruction with the FAST Math Class. **Students are required to take the Standards of Learning End of Course Test.**

**ESOL Fast Math 3 - (571390/319900)**

**WIDA ELP Level 1 & 2**

**Grades: 7 & 8**

**Full Year Course**

This course provides instruction in 7<sup>th</sup> and 8<sup>th</sup> grade math skills to WIDA ELP Levels 1 and 2 students, who have gaps (one grade level below) in math and language, which would impact success in mainstream math classes. It presents the 7<sup>th</sup> and 8<sup>th</sup> grade POS in a compacted format using manipulatives, adapted materials and ESOL strategies for teaching the language of math. This class helps prepare students to take the math SOL. **Students are required to take the Standards of Learning End of Course Test.**

**Developing ESOL English - (572061)**

**WIDA ELP Level 2 & 3**

**Grades: 7 & 8**

**Full Year Course**

This is the English class in which WIDA ELP Levels 2 & 3 students may be enrolled. This class is designed to support the development of academic language skills through alignment with the grade level Language Arts standards. It maintains a focus on vocabulary development, reading comprehension and the writing process. When appropriate, Level 3 ESOL students should be enrolled in grade level English. This course may be repeated. **Students are required to take the Standards of Learning End of Course Test.**

**ESOL Academic Language - (573061)**

**WIDA ELP Level 3 & 4**

**Grades: 7 & 8**

**Full Year Course**

This class is designed to continue the development of academic language across the curriculum. WIDA ELP Level 4 students are enrolled in both this course and a grade level English class. This course may be taken by WIDA ELP Level 3 students in conjunction with Development ESOL English (572061). Students read a variety of genres and use technology as they work with the writing process to extend and refine their English language skills. This course may be repeated.

## INSTRUCTIONAL SUPPORT PROGRAMS

Occasionally, based on the need to strengthen basic skills for individual students, some students may be placed in one or more of the following courses instead of an elective; based on grades, test scores, and/or teacher recommendation:

### **Read 180 - (118068)**

**Grades: 7 & 8**

**Full Year Course**

Read 180 is an interactive reading program designed to boost the reading skills of middle school students. During each class session, students participate in a variety of reading stations, including computer activities, independent reading and small group instruction. The goals of this program focus on improvement of students' reading skills, leading to confident and successful lifelong learners and readers.

### **Action Literacy 7 - (011065)**

**Grade: 7**

**Semester Course (Spring 2012)**

Power Literacy is a one-semester additional English course designed to provide direct instruction in reading comprehension, writing process, and vocabulary. The course content has been specifically designed to support the attainment of the foundational skills and knowledge necessary to be successful in seventh grade English. This course replaces one elective. Conditionally promoted students *must* take this course. If additional students can be accommodated, they are selected based on SOL scores and teacher recommendation.

### **Power Mathematics - (011066)**

**Grade: 7**

**Semester Course**

Power Mathematics is a one-semester course designed to provide students with foundational concepts and skills to support success with current mathematics explorations and enhance experiences with future mathematics study. The course focuses on fundamental skills, including integer operations, order of operations, equivalence, percent and percent applications, along with area and graphing concepts. This course replaces one elective. Conditionally promoted students *must* take this course. If additional students can be accommodated, they are selected based on SOL scores and teacher recommendation.

### **Action Literacy 8 - (011067)**

**Grade: 8**

**Semester Course**

Power Literacy is a one-semester English/social studies course designed to provide direct instruction in reading comprehension, writing process, and vocabulary using social studies content material. The course content has been specifically designed to support the attainment of the foundational skills and knowledge necessary to be successful in eighth grade English and social studies. This course replaces one elective. Conditionally promoted students *must* take this course. If additional students can be accommodated, they are selected based on teacher recommendation and/or fifth grade SOL scores in English and social studies.

### **Power Mathematics & Science - (011068)**

**Grade: 8**

**Semester Course**

Power Mathematics and Science is a one-semester course that focuses on fundamental skills with ratios and proportions, measurement in two and three dimensions and statistics, along with a heavy emphasis on algebraic thinking and equations. Additionally, the class includes direct instruction in science concepts including scientific investigation, living systems, ecosystems, heredity and diversity. This course replaces one elective. Conditionally promoted students *must* take this course. If additional students can be accommodated, they are selected based on teacher recommendation and/or SOL scores in mathematics and science.

### **Algebra Readiness - (011014)**

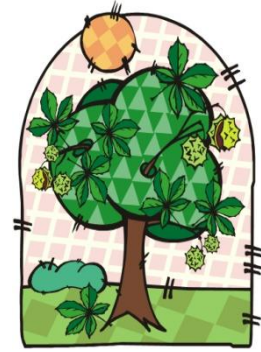
**Grade: 8**

**Semester Course**

Algebra Readiness is a one-semester course designed to assist students in mastering the Virginia Standards of Learning for mathematics for grades six through eight and to help assure readiness for Algebra 1. The program provides specific intervention through instruction in number and number sense; computation and estimation; measurement; geometry; probability and statistics; and patterns, functions, and algebra. This course replaces one elective. Students are selected based on teacher recommendation, SOL score in mathematics, and/or achievement on an on-line state assessment.



# **AFTER SCHOOL 2010-2011 Clubs**



- **Basketball Intramurals**
- **Chess Club**
- **Creative Writing Club**
- **Dance Team**
- **Drama Club**
- **FCA (Fellowship of Christian Athletes)**
- **First Lego League**
- **Flag Football**
- **French Club**
- **G.E.M.S. (Girls Excelling in Math and Science Club)**
- **Green Team**
- **Homework Club**
- **Knowledge Masters**
- **Math Counts**
- **Model UN**
- **NJHS (National Junior Honor Society)**
- **NVCTM (NoVA Council of Teachers of Mathematics)**
- **Quiz Bowl**
- **Rocketry Club**
- **Running Club**
- **Science Olympiad**
- **Sci-Fi Book & Film Club**
- **Serious Artist Club**
- **Spring Soccer**
- **Timber Lane Tutors**
- **TJ Prep**
- **TSA Club (Technology Student Association)**
- **Volleyball Intramurals**

# 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 9<sup>th</sup> grade for the first time. The following applies to 9<sup>th</sup> grade students who enter high school in 2011-2012 and beyond.

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 receive credit toward graduation for high school courses taken and passed 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 Course Requirements (8 VAC 20-131-50)		
Subject Area	Standard Credits	Verified Credits
<b>English</b>	<b>4</b>	<b>2</b>
<b>Mathematics<sup>1</sup></b>	<b>3</b>	<b>1</b>
<b>Laboratory Science<sup>2, 6</sup></b>	<b>3</b>	<b>1</b>
<b>History and Social Sciences<sup>3, 6</sup></b>	<b>4</b>	<b>1</b>
<b>Health and Physical Education</b>	<b>2</b>	
<b>*World Language, Fine Arts or Career and Technical Ed<sup>7</sup></b>	<b>2</b>	
<b>Economics &amp; Personal Finance</b>	<b>1</b>	
<b>Electives<sup>4</sup></b>	<b>3</b>	
<b>Student Selected Test<sup>5</sup></b>		<b>1</b>
<b>Total Credits</b>	<b>22</b>	<b>6</b>

\*Foreign Language is designated World Language in Fairfax County Public Schools.

<sup>1</sup> Courses completed to satisfy this requirement shall include at least two different course selections from among: Algebra I, Geometry, Algebra II, or other mathematics courses above the level of Algebra II. The Board of Education shall approve additional courses to satisfy this requirement.

<sup>2</sup> Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines: earth sciences, biology, chemistry, or physics or completion of the sequence of science courses required for the International Baccalaureate Diploma. The Board shall approve courses to satisfy this requirement.

<sup>3</sup> Courses completed to satisfy this requirement shall include 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.

<sup>4</sup> Courses to satisfy this requirement shall include at least two sequential electives as required by the Standards of Quality.

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

<sup>6</sup> 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 (i) the student selected verified credit and (ii) either a science or history and social science verified credit when the certification, license, or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the Board as an additional test to verify student achievement.

<sup>7</sup> Pursuant to Section 22.1-253.13:4, Code of Virginia, credits earned for this requirement shall include one credit in fine or performing arts or career and technical education.

# STANDARD TECHNICAL 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 9<sup>th</sup> grade for the first time. The following applies to 9<sup>th</sup> grade students who enter high school in 2011-2012 and beyond.

To graduate from high school with a Standard Technical Diploma, students shall meet the minimum requirements 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 receive credit toward graduation for high school courses taken and passed 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.**

<b>Standard Technical Diploma Course Requirements (8 VAC 20-131-50)</b>		
Subject Area	Standard Credits	Verified Credits
<b>English</b>	<b>4</b>	<b>2</b>
<b>Mathematics<sup>1</sup></b>	<b>3</b>	<b>1</b>
<b>Laboratory Science<sup>2,5</sup></b>	<b>3</b>	<b>1</b>
<b>History and Social Sciences<sup>3,5</sup></b>	<b>4</b>	<b>1</b>
<b>Health and Physical Education</b>	<b>2</b>	
<b>Fine Arts or *World Language</b>	<b>1</b>	
<b>Economics &amp; Personal Finance</b>	<b>1</b>	
<b>Career and Technical Education<sup>4</sup></b>	<b>4</b>	
<b>Student Selected Test<sup>6</sup></b>		<b>1</b>
<b>Total Credits</b>	<b>22</b>	<b>6</b>

\*Foreign Language is designated World Language in Fairfax County Public Schools.

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

<sup>2</sup> Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines from among: earth sciences, biology, chemistry, or physics, or completion of the sequence of science courses required for the International Baccalaureate Diploma. The Board shall approve courses to satisfy this requirement.

<sup>3</sup> Courses completed to satisfy this requirement shall include 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.

<sup>4</sup> Courses completed to satisfy this requirement must include a career concentration as approved by the Board. If a career concentration includes a specific assessment approved by the Board and the student is eligible to take the assessment, then the student must take this assessment.

<sup>5</sup> 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 (i) the student selected verified credit and (ii) either a science or history and social science verified credit when the certification license or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the Board as an additional test to verify student achievement.

<sup>6</sup> A student may utilize additional tests for earning verified credit in computer science, technology, career and technical education, economics or other areas as prescribed by the Board in 8 VAC 20-131-110.

# ADVANCED STUDIES DIPLOMA

## 26 CREDIT DIPLOMA REQUIREMENTS FOR GRADUATION

The requirements for a student to earn a diploma shall be those in effect when the student enters the 9th grade for the first time. The following applies to 9<sup>th</sup> grade students who enter high school in 2011-2012 and beyond.

To graduate from high school with an Advanced Studies Diploma, students shall meet the minimum requirements as outlined below which include 26 credits, 9 of which must be verified credits. Any student who meets the requirements for both the Advanced Studies and the Advanced Technical Diploma may choose between these two diplomas. 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 receive credit toward graduation for high school courses taken and passed 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.**

<b>Advanced Studies Diploma Course Requirements (8 VAC 20-131-50)</b>		
Subject Area	Standard Credits	Verified Credits
<b>English</b>	<b>4</b>	<b>2</b>
<b>Mathematics<sup>1</sup></b>	<b>4</b>	<b>2</b>
<b>Laboratory Science<sup>2</sup></b>	<b>4</b>	<b>2</b>
<b>History and Social Sciences<sup>3</sup></b>	<b>4</b>	<b>2</b>
<b>*World Language<sup>4</sup></b>	<b>3</b>	
<b>Health and Physical Education</b>	<b>2</b>	
<b>Fine Arts or Career and Technical Ed</b>	<b>1</b>	
<b>Economics &amp; Personal Finance</b>	<b>1</b>	
<b>Electives</b>	<b>3</b>	
<b>Student Selected Test<sup>5</sup></b>		<b>1</b>
<b>Total Credits</b>	<b>26</b>	<b>9</b>

\*Foreign Language is designated World Language in Fairfax County Public Schools.

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

<sup>2</sup> Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines from among: earth sciences, biology, chemistry, or physics or completion of the sequence of science courses required for the International Baccalaureate Diploma. The Board shall approve courses to satisfy this requirement.

<sup>3</sup> Courses completed to satisfy this requirement shall include 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.

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

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

# ADVANCED TECHNICAL DIPLOMA

## 26 CREDIT DIPLOMA REQUIREMENTS FOR GRADUATION

The requirements for a student to earn a diploma shall be those in effect when the student enters the 9<sup>th</sup> grade for the first time. The following applies to 9<sup>th</sup> grade students who enter high school in 2011-2012 and beyond.

To graduate from high school with an Advanced Technical Diploma, students shall meet the minimum requirements as outlined below which include 26 credits, 9 of which must be verified credits. Any student who meets the requirements for both the Advanced Studies and the Advanced Technical Diploma may choose between these two diplomas. 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 receive credit toward graduation for high school courses taken and passed 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.**

<b>Advanced Technical Diploma Course Requirements (8 VAC 20-131-110)</b>		
Subject Area	Standard Credits	Verified Credits
English	4	2
Mathematics <sup>1</sup>	4	2
Laboratory Science <sup>2</sup>	4	2
History and Social Sciences <sup>3</sup>	4	2
*World Language <sup>4</sup>	3	
Health and Physical Education	2	
Economics & Personal Finance	1	
Fine Arts or Career and Technical	1	
Career and Technical Education <sup>5</sup>	3	
Student Selected Test <sup>6</sup>		1
<b>Total</b>	<b>26</b>	<b>9</b>

\*Foreign Language is designated World Language in Fairfax County Public Schools.

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

<sup>2</sup> Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines from among: earth sciences, biology, chemistry, or physics or completion of the sequence of science courses required for the International Baccalaureate Diploma. The Board shall approve courses to satisfy this requirement.

<sup>3</sup> Courses completed to satisfy this requirement shall include 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.

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

<sup>5</sup> Courses completed to satisfy this requirement must include a career concentration as approved by the Board. If a career concentration includes a specific assessment approved by the Board and the student is eligible to take the assessment, then the student must take this assessment.

<sup>6</sup> A student may utilize additional tests for earning verified credit in computer science, technology, career or technical education, economics, or other areas as prescribed by the Board in 8 VAC 20-131-110.

## MODIFIED STANDARD DIPLOMA 20 CREDIT DIPLOMA REQUIREMENT 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. The following applies to 9<sup>th</sup> grade students who entered high school in 2000-2001 and beyond.

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 including the student, when appropriate, at any point after the student's eighth grade year. There are no verified credit requirements for the Modified Standard Diploma. Students pursuing the Modified Standard Diploma are required to meet literacy and numeracy requirements on the 8<sup>th</sup> grade English reading and mathematics Standards of Learning (SOL) tests. Students may substitute a higher level high school SOL test for the 8<sup>th</sup> grade SOL tests for the literacy and numeracy requirements.

**A student who has chosen to pursue a Modified Standard Diploma shall also be allowed to pursue the Standard Diploma, Advanced Studies Diploma, or Standard Technical Diploma or Advanced Technical Diploma (based on year of entry into 9<sup>th</sup> grade) at any time throughout the high school career. The student may not be excluded from courses and tests required to earn a Standard, Advanced Studies, Standard Technical, or Advanced Technical Diploma.**

<b>Modified Standard Diploma Course Requirements (8 VAC 20-131-50)</b>	
Subject Area	Standard Credits
<b>English</b>	<b>4</b>
<b>Mathematics<sup>1</sup></b>	<b>3</b>
<b>Science<sup>2</sup></b>	<b>2</b>
<b>History and Social Sciences<sup>3</sup></b>	<b>2</b>
<b>Health and Physical Education</b>	<b>2</b>
<b>Fine Arts or Career and Technical Ed.</b>	<b>1</b>
<b>Electives<sup>4</sup></b>	<b>6</b>
<b>Total Credits</b>	<b>20</b>

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

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> Courses to satisfy this requirement shall include at 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 race, color, sex, religion, national origin, marital status, 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 (571-423-2280) regarding access to facilities; Office of Equity and Compliance (571-423-3050 or dial 711 for access to Telecommunications Relay Services (TRS)), regarding equal employment opportunity, discrimination, and sexual harassment issues; Due Process and Eligibility (703-317-3000), 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 or Advanced Technical Diploma with an average grade of "B" or better and successfully complete college-level coursework that will earn the student at least nine transferrable college credits in Advanced Placement (AP), International Baccalaureate (IB), Cambridge, or dual enrollment courses. NOTE: New requirements for this seal went into effect with the ninth-grade class of 2006-07 and beyond.
2. Students who complete the requirements for a Standard, Standard Technical, Advanced Studies, or Advanced Technical 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, Standard Technical, Advanced Studies, or Advanced Technical 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 a Standard, Standard Technical, Advanced Studies, or Advanced Technical Diploma and (i) satisfy all of the mathematics requirements for the Advanced Studies or Advanced Technical 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 a Standard, Standard Technical, Advanced Studies, or Advanced Technical 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 United States 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: As in the past, the Board of Education Seal and the Governor's Seal are not to be interchanged among diplomas and may only be used when the conditions cited have been met. The seal should be placed in the lower left quarter of the diploma. Students who earn the Board of Education Seal or the Governor's Seal may also earn the Career and Technical Education Seal, the Advanced Mathematics and Technology Seal, or the Civics Education Seal.)

### WORLD LANGUAGES PROFICIENCY CREDIT

The Credit Exam for World Languages is given each fall to students who wish to demonstrate written proficiency in one of several languages: Amharic, Arabic, Bengali, Chinese, Farsi, French, German, Hindi, Japanese, Korean, Punjabi, Russian, Somali, Spanish, Tagalog/Pilipino, Twi, Urdu, or Vietnamese. Students who are successful on the exam receive two world languages credits which may be used to fulfill the world languages 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) services during grades 7-12 who are enrolled in courses with course code 5720, may apply two units of credit towards the world languages requirement of the Advanced Studies Diploma. For more information on the exam, go to: [www.fcps.edu/DIS/OHSICS/forlang/creditem/index.htm](http://www.fcps.edu/DIS/OHSICS/forlang/creditem/index.htm) or contact the World Languages Department at 703-208-7724.

### GRADING SYSTEM Effective September 2009

FCPS adopted a new grading scale effective September 2009. Changes in the FCPS grading policy include a modified ten-point grading scale that uses pluses and minuses. An asterisk (\*) is used on the transcript to distinguish B+, C+, and D+ grades earned prior to September 2009. For example, B\* = B+.

A (93-100) = 4.0	B- (80-82) = 2.7	D+ (67-69) = 1.3
A- (90-92) = 3.7	C+ (77-79) = 2.3	D (64-66) = 1.0
B+ (87-89) = 3.3	C (73-76) = 2.0	F (below 64) = 0.0
B (83-86) = 3.0	C- (70-72) = 1.7	

#### Grading System Prior to September 2009

A (94-100) = 4.0	C (74-79) = 2.0
B+ (90-93) = 3.5	D+ (70-73) = 1.5
B (84-89) = 3.0	D (64-69) = 1.0
C+ (80-83) = 2.5	F (below 64) = 0.0

### GRADE POINT AVERAGE

Grade point average (GPA) is calculated on the basis of **all courses for which high school 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.

Advanced Placement (AP) courses and specified International Baccalaureate (IB) courses receive an additional 1.0 added to the final grade upon successful completion of the course. Successful completion is defined as completing the course with a passing grade and completing the corresponding AP or IB exam. For example, a final grade of A in an AP/IB course shall receive 5.0 quality points for purposes of calculating grade point average.

Honors courses in mathematics, science, English, and social studies receive an additional 0.5 weight added to the final grade upon successful completion of the course. Successful completion is defined as completing the course with a passing grade. For example, a final grade of A in an honors class shall receive 4.5 quality points. In these disciplines, students have a choice of taking either a non-weighted standard level course or the weighted honors level course.

The weighting of courses is retroactive for currently enrolled FCPS students.

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.

## POST-SECONDARY PLANNING

Each high school in Fairfax County Public Schools provides a sequential post-secondary 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.

## 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](http://www.fcps.edu/DIS/onlinecampus).

The following courses are currently available on line:

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

## ADVANCED ACADEMIC PROGRAMS

Advanced Academic Programs at the high school level are comprised of honors courses at the 9<sup>th</sup> and 10<sup>th</sup> grade levels, and the Advanced Placement (AP) or International Baccalaureate (IB) programs at the 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> 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: [www.fcps.edu/ss/student-transfer/index.htm](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 complete 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, IB or 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 to AP, and 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 complete the end-of-course AP exam. Students may receive college credit and/or placement based upon their exam grades.

The AP program is offered in English, social studies, mathematics, science, world 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 languages, 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 complete the end-of-course IB exams. 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 9<sup>th</sup> and 10<sup>th</sup> grade. Students may choose to work toward the MYP certificate which requires the completion of a personal project at the end of 10<sup>th</sup> grade and success on the MYP 10<sup>th</sup> 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 571-423-3770 or at: [www.tjhsst.edu/abouttj/admissions/](http://www.tjhsst.edu/abouttj/admissions/). Note: Completion of Algebra 1 in 8<sup>th</sup> grade is required for admission.

## 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 demonstrate proficiency in 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, at the discretion of the principal, and encouraged to participate in an intervention program. Based upon the extent to which a student demonstrates knowledge and competency of identified standards of achievement in an intervention program, he/she is promoted or retained. Students who are promoted may receive continued intervention throughout the following school year. If students do not participate in an intervention program, they are retained at the discretion of the principal.

Students who earn an "F" in three or four core courses are retained, at the discretion of the principal.

### 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 health and physical education credits, world 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, A-, B+, B, B-, C+, 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 division wide student fees to be charged for any elective course can be found in Notice 5922 at [www.fcps.edu/Directives](http://www.fcps.edu/Directives).

### Student Transfer Resources

For student transfer information, visit FCPS website: <http://fcpsnet.fcps.edu/ssse/student-transfer/>.

## ACADEMY WEBSITES

Chantilly Academy	<a href="http://www.fcps.edu/ChantillyAcademy/">http://www.fcps.edu/ChantillyAcademy/</a>
Edison Academy	<a href="http://www.fcps.edu/EdisonAcademy/">http://www.fcps.edu/EdisonAcademy/</a>
Fairfax Academy	<a href="http://www.fcps.edu/FairfaxAcademy/">http://www.fcps.edu/FairfaxAcademy/</a>
Falls Church Academy	<a href="http://www.fcps.edu/FallsChurchHS/academy/">http://www.fcps.edu/FallsChurchHS/academy/</a>
Marshall Academy	<a href="http://www.fcps.edu/MarshallAcademy/">http://www.fcps.edu/MarshallAcademy/</a>
West Potomac Academy	<a href="http://www.fcps.edu/WestPotomacAcademy/">http://www.fcps.edu/WestPotomacAcademy/</a>

## 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.

### 2011-2012 HIGH SCHOOL ACADEMY COURSE OFFERINGS

#### CHANTILLY ACADEMY

<b>Engineering and Scientific Technology</b>		<b>Health and Human Services</b>
Air Force JROTC	Culinary Arts	Geographic Information Systems
Animal Science	Dental Careers	Girls Exploring Engineering (Engineering Sys.)
Automotive Collision Service	Early Childhood Careers	Hotel Marketing
Automotive Technology	Engineering Math	Independent Research – Engineering
Cisco	Engineering Physics	Medical Assistant
Carpentry	Engineering Systems	Network Administration (Microsoft)
Computer Systems Technology - A+	Entrepreneurship	Oracle
Cosmetology	Exploring Health Sciences	Pharmacy Technician
Criminal Justice	Exploring the Language of Medicine	

#### EDISON ACADEMY

<b>International Studies and Business</b>		<b>Engineering and Scientific Technology</b>
Animal Science	Cosmetology	Hotel Marketing
Automotive Collision Service	Culinary Arts	Landscape Architecture & Turf Management
Automotive Technology	Electrical Construction & Engineering	Network Administration (Microsoft)
Cisco	Heating, Ventilation, AC, & Refrigeration	Oracle
Computer Systems Technology - A+		

#### FAIRFAX ACADEMY Communications and the Arts

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

#### FALLS CHURCH ACADEMY 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

<b>International Studies and Business</b>		<b>Engineering and Scientific Technology</b>
Aerospace Science	Cosmetology	Engineering Systems
Automotive Collision Service	Criminal Justice	Entrepreneurship
Automotive Technology	Culinary Arts	Hotel Marketing
Chinese	Engineering Physics	Network Administration (Microsoft)
Computer Systems Technology - A+		

#### WEST POTOMAC ACADEMY

<b>Communications and the Arts</b>		<b>Health and Human Services</b>
Criminal Justice	Exploring the Language of Medicine	Pharmacy Technician
Dance	Fashion Design	Physical Therapy/Occupational Therapy
Dental Careers	Medical Assistant	Professional Graphics Studio
Early Childhood Careers	Music and Computer Technology	Professional Television Production
Exploring Health Sciences		







**NOTES PAGE**