

# Thomas S. Wootton High School

## Course Offerings

### School Year 2010-2011

This Course Offerings Bulletin is a supplement to the Montgomery County Public Schools Course Bulletin that is available online. The information here is specific to Thomas S. Wootton High School. Curriculum questions should be addressed to the individual resource teacher. Registration and information questions should be directed to your guidance counselor.

#### **ADMINISTRATIVE STAFF**

Dr. Michael Doran .....	Principal	(301) 279-8550
Dr. Frank Critton .....	Assistant Principal	(301) 279-8550
Ms. Renee Negin .....	Assistant Principal	(301) 279-8550
Dr. Anthony Nottingham.....	Assistant Principal	(301) 279-8550
Mrs. Carol Sander.....	Assistant Principal	(301) 279-8550

#### **COUNSELING AND GUIDANCE STAFF**

Dr. Jay Bass .....	Resource Counselor	(301) 279-8567
Mrs. Barbara Becker.....	Counselor	(301) 279-4205
Ms. Laura Cope .....	Counselor	(301) 279-4202
Mrs. Lynn Goodman .....	Counselor	(301) 279-4206
Mrs. Wendy Kiang Spray.....	Counselor	(301) 279-4208
Mr. Robert Kurtz.....	Counselor	(301) 279-4203
Ms. Arielle Novick .....	Counselor	(301) 279-8568
Mrs. Denise Schaefer.....	Counselor	(301) 279-4207
Ms. Jennifer A. Taylor.....	Counselor	(301) 279-4204
Mrs. Dorothy Wiseman.....	Counselor	(301) 279-4209

#### **RESOURCE TEACHERS/DEPARTMENT CHAIRPERSONS**

Art/Family and Consumer Science/		
Music/Theatre .....	Mrs. Susan Thorpe	(301) 279-8581
English.....	Ms. Kimberly Boldon	(301) 279-8584
ESOL .....	Mr. William Bolin	(301) 279-8507
Foreign Language.....	Mr. Anthony DeRosa	(301) 279-8587
Health & Physical Education .....	Mr. Paul Kirk	(301) 279-8573
Mathematics .....	Mr. Chris Tucker	(301) 517-8174
Science.....	Mrs. Jacqueline Alton	(301) 279-8594
Social Studies .....	Mrs. Gaytania Maslow	(301) 279-8591
Special Education .....	Mrs. JeanMarie Joseph	(301) 279-8455
Technology/Career/Vocational and		
Alternative Programs.....	Mrs. Monica Matthey	(301) 279-8577

#### **SPECIAL PROGRAM COORDINATORS**

Academy of Information Technology .....	Mrs. Monica Matthey	(301) 279-8577
Education Academy.....	Mrs. Susan Thorpe	(301) 279-8581
Humanities & Arts Signature Program .....	Mrs. Michelle Hanson	(301) 517-8173
College Institute .....	Mrs. Jane Storck	(301) 517-8170
Science, Technology and Research		
Scholars (STARS).....	Mrs. Terri Nostrand	(301) 279-4970

# Thomas S. Wootton High School

## E-Mail Address Listing

### School Year 2010-2011

#### ADMINISTRATIVE STAFF

Dr. Michael Doran ..... Principal  
 Dr. Frank Critton ..... Assistant Principal  
 Ms. Renee Negin ..... Assistant Principal  
 Dr. Anthony Nottingham..... Assistant Principal  
 Mrs. Carol Sander ..... Assistant Principal

#### E-MAIL ADDRESS

Michael\_J\_Doran@mcpsmd.org  
 Frank\_Critton@mcpsmd.org  
 Renee\_C\_Negin@mcpsmd.org  
 Anthony\_J\_Nottingham@mcpsmd.org  
 Carol\_W\_Sander@mcpsmd.org

#### COUNSELING AND GUIDANCE STAFF

Dr. Jay Bass ..... Resource Counselor  
 Mrs. Barbara Becker..... Counselor  
 Ms. Laura Cope ..... Counselor  
 Mrs. Lynn Goodman ..... Counselor  
 Mrs. Wendy Kiang Spray..... Counselor  
 Mr. Robert Kurtz ..... Counselor  
 Ms. Arielle Novick ..... Counselor  
 Mrs. Denise Schaefer ..... Counselor  
 Ms. Jennifer A. Taylor ..... Counselor  
 Mrs. Dorothy Wiseman ..... Counselor

Jay\_Bass@mcpsmd.org  
 Barbara\_A\_Becker@mcpsmd.org  
 Laura\_C\_Cope@mcpsmd.org  
 Lenette\_S\_Goodman@mcpsmd.org  
 Wendy\_Kiang\_Spray@mcpsmd.org  
 Robert\_J\_Kurtz@mcpsmd.org  
 Arielle\_Novick@mcpsmd.org  
 Denise\_M\_Schaefer@mcpsmd.org  
 Jennifer\_A\_Taylor@mcpsmd.org  
 Dorothy\_G\_Wiseman@mcpsmd.org

#### RESOURCE TEACHERS/DEPARTMENT CHAIRPERSONS

Art/Family and Consumer Science/  
 Music/Theatre ..... Mrs. Susan Thorpe  
 English ..... Ms. Kimberly Boldon  
 ESOL ..... Mr. William Bolin  
 Foreign Language..... Mr. Anthony DeRosa  
 Heath & Physical Education..... Mr. Paul Kirk  
 Mathematics.....Mr. Chris Tucker  
 Science ..... Mrs. Jacqueline Alton  
 Social Studies ..... Mrs. Gaytania Maslow  
 Special Education ..... Mrs. JeanMarie Joseph  
 Technology/Career/Vocational and  
 Alternative Programs ..... Mrs. Monica Matthey

Susan\_C\_Thorpe@mcpsmd.org  
 Kimberly\_M\_Boldon@mcpsmd.org  
 William\_J\_Bolin@mcpsmd.org  
 Anthony\_M\_Derosa@mcpsmd.org  
 Paul\_Kirk@mcpsmd.org  
 Christopher\_S\_Tucker@mcpsmd.org  
 Jacqueline\_R\_Alton@mcpsmd.org  
 Gaytania\_B\_Maslow@mcpsmd.org  
 JeanMarie\_Joseph@mcpsmd.org  
 Monica\_M\_Matthey@mcpsmd.org

#### SPECIAL PROGRAM COORDINATORS

Academy of Information Technology  
 (AOIT)..... Mrs. Monica Matthey  
 Education Academy.....Mrs. Susan Thorpe  
 Humanities & Arts Signature .... Mrs. Michelle A. Hanson  
 College Institute .....Mrs. Jane Storck  
 Science, Technology and Research Scholars  
 (STARS).....Mrs. Terri Nostrand

Monica\_M\_Matthey@mcpsmd.org  
 Susan\_C\_Thorpe@mcpsmd.org  
 Michelle\_A\_Hanson@mcpsmd.org  
 Jane\_S\_Storck@mcpsmd.org  
 Terri\_Nostrand@mcpsmd.org

# TABLE OF CONTENTS

<b>Registration Timeline</b> .....	1
<b>Sample Registration Card</b> .....	2
<b>Four Year Planning Card</b> .....	3-4
<b>Graduation Requirements for MCPS</b> .....	5
<b>Maryland Certificates</b> .....	6
<b>Advanced Placement &amp; Testing Fees</b> .....	7
<b>Signature Programs and Academies</b>	
Academy of Information Technology (AOIT) .....	10
College Institute at Wootton (CIW).....	15
Education Academy .....	16
Humanities and Arts Signature .....	20
Laboratory for Experiential Education and Design (LEED).....	24
Science, Technology and Research Scholars (STARS) .....	25
<b>Academic and Elective Courses</b>	
Art.....	28
Business and Marketing Education.....	30
Computer Science .....	32
English.....	33
English for Speakers of Other Languages (ESOL).....	35
Family and Consumer Science .....	36
Foreign Languages.....	37
Health .....	39
Mathematics .....	40
Music .....	41
Physical Education .....	43
Science.....	45
Science Sequences .....	47
Social Studies.....	48
Special Education .....	50
Student Leadership.....	50
Technology Education .....	51
Television Production .....	52
Theatre .....	52
Thomas Edison High School of Technology .....	53-54
<b>Internship Opportunities</b>	
What is an Internship .....	56
Common Internship Application Sample .....	58-59
Out-of School Internships .....	61
In-School Internships .....	64
<b>Parking Regulations</b> .....	66



**THOMAS S. WOOTTON HIGH SCHOOL**  
**Academic Planning Time Line**  
**For 2010-2011 School Year**

**Students are expected to assume responsibility for developing appropriate course selections for each school year. The academic planning time line provides a structured process, which is expected to be followed by students, parents, teachers and counselors.**

Counselors guide the students through a four-step process which also requires the support, assistance and input from teachers and parents. Students need to:

- Learn about all course offerings that are available.
- Determine which courses are best for you.
- Plan your time.
- Complete your registration card, which requires parent and student signature.

The academic planning/scheduling process begins in December and **is completed in August when students receive their list of classes in the mail.** The counselor, as the student's advocate, is responsible for processing the course selections and assisting the student if schedule changes are needed during the academic planning process. Students, teachers and parents need to work closely with the counselors to provide the most challenging and balanced schedule possible.

**December 10-18, 2009**

Teachers provide students with:

- Individual recommendations and detailed information about course expectations
- Homeroom teachers help students prepare for registration
- Wootton Course Bulletin distributed in homerooms on December 18, 2009

**January 6 (11<sup>th</sup> grade), 7 (10<sup>th</sup> grade), & 8 (9<sup>th</sup> grade), 2010**

Counselors provide students with:

- Individual academic planning cards
- Transcripts and graduation requirements
- Due dates and decision making guidelines

***Current 9th/10th Grade Parent meeting with counselors - January 4, 2010 (snow date: 11)***

***Current 11th Grade Parent meeting with counselor - January 19, 2010 (snow date: 25)***

***Current 8th Grade Parent meeting with counselors – February 8, 2010 (snow date: 9)***

**January 27, 2010**

***\*\*\* Wootton Academic planning cards are due to your Social Studies Teacher\*\*\****

**February 2010**

- Cabin John and Frost Academic planning cards due to teachers.
- Students meet with counselors to review credits and course requests.
- Counselors must have all course selections entered by March.

**March 22, 2010**

New students to MCPS and Wootton Cluster are enrolled

**April 15, 2010**

***\*\*\*Student requests for schedule changes are no longer permitted\*\*\****

- Course selection change requests require completed schedule change/commitment form available in the Counseling Office

**June 1—August 10, 2010**

- Master schedule completed
- Counselors assist with leveling and resolution of scheduling conflicts

Student's Last Name                      First                      ID                      Counselor                      E-mail Address

Street Address    City                      Zip                      Home Phone

Mother's Last Name                      Work Phone & Cell Phone                      Father's Last Name                      Work Phone & Cell Phone

**Recommendations for**

ENGLISH	SCIENCE	MATH	FOREIGN LANG	TECHNOLOGY
SOCIAL STUDIES			PE	ART

The total number of Honors and/or Advanced Courses is decided by each family

Course #	Indicate Academic Level for each subject and list electives	Teacher Signature if required	Weekly Study Hours
	English 10A		
	English 10B		
	National, State, Local Gov A		
	National, State, Local Gov B		
	Science		
	Science		
	Math		
	Math		
	Foreign Lang A		
	Foreign Lang B		
	Sem 1 or 2: Health	SS	
	Sem 1 or 2 - Elective		
	Sem 1 - Elective		
	Sem 2 - Elective		
Hours for Study per Week (from above)			
Hours for Non-Academic Commitments (see back)			
Total Combined Hours for all responsibilities			

**Math & Science appeals require application from the Resource Teachers**

- \*\*\*\*\*
- Teacher signatures are required for these courses:
- \* Internships and OJT
  - \* Aide positions
  - \* Yearbook/Newspaper
  - \* Chamber singers, Jazz Ensemble
  - \* Chamber winds and strings
  - \* Concert Choir
  - \* AP Art Courses
  - \* Computer Maintenance
  - \* Computer Programming above Level 1
  - \* LAN Maintenance
  - \* Higher Level Math Course
  - \* Senior Leadership/SGA

If your first choices are not available, list 4 alternative courses  
 S1 \_\_\_\_\_ S2 \_\_\_\_\_  
 S1 \_\_\_\_\_ S2 \_\_\_\_\_

I understand that every effort will be made to complete my schedule with the courses listed above. If my first choices are not available, my backup course selections will be substituted. No changes will be made in the fall and I will be expected to follow this schedule for the full school year.

STUDENT SIGNATURE                      DATE                      PARENT SIGNATURE                      DATE





# GRADUATION REQUIREMENTS 2010-2011

## Maryland Diploma Requirements

The state of Maryland authorizes one diploma for all high school graduates, based upon successful fulfillment in four categories of requirements: enrollment, course credit, student service learning (SSL), and Maryland assessments. MCPS requirements that extend state requirements are designated below with a double asterisk (\*\*). All requirements are summarized below.

### Enrollment

Students must satisfactorily complete four years beyond Grade 8. (For exceptions, see *Alternatives to Four-Year Enrollment*.)

### Course Credits

A student shall be enrolled in a Montgomery County Public School and have earned a minimum of 22 credits (unless a pre-approved MCPS alternative is satisfied) that include the following:

GRADUATION REQUIREMENTS AT A GLANCE		
Subject Area	Specific Credit Requirements	
English	4 credits	
Fine Arts	1 credit	(Selected courses in art, dance, drama/theater, and music that satisfy the fine arts requirement are marked FA)
Health Education	0.5 credit	
Mathematics	4 credits**	(1 credit algebra, 1 credit geometry) Students who successfully complete a calculus course may be exempted from this 4-credit requirement
Physical Education	1 credit	
Science	3 credits	(1 biology credit and 1 physical science credit must be included)
Social Studies	3 credits	(1 U.S. History credit; 1 World History credit; and 1 National, State, and Local Government credit)
Technology Education	1 credit	Courses in career and technology education that satisfy the new technology education requirement have changed. Specific information is available in the appendices of this bulletin

The additional credits required for graduation may be fulfilled by one of the following three options:

Electives	OPTION 1	OPTION 2	OPTION 3	OPTION 4
	2 credits in a foreign language and 2.5 credits in elective courses	2 credits in advanced technology education and 2.5 credits in elective courses	2 credits in American Sign Language and 2.5 credit in elective courses	4 credits in a state-approved career and technology program and 0.5 credit in elective courses

### Student Service Learning (SSL)

Students must meet established service-learning requirements.

## GRADUATING CLASSES OF 2011 AND LATER

### Assessments

High School Assessments	Students must pass the Maryland High School Assessments for English, algebra/data analysis, biology and government or earn a total of 1602. For the most recent information on the requirements visit the web site <a href="http://www.mcpshsa.org">www.mcpshsa.org</a>
-------------------------	---

### Student Withdrawals from Courses

A student-initiated withdrawal may occur when the student and parents/guardians determine that withdrawal will be beneficial to the student. The student's withdrawal request must be approved by parents/guardians in writing, reviewed by the counselor, and discussed with the student to ensure that there is understanding of a possible delay in meeting graduation requirements that may result if the student withdraws from a course. The counselor's recommendation is forwarded to the principal for approval or disapproval. The request to withdraw must be made by the 25<sup>th</sup> school day. If the student withdraws after 25 school days of the course, the date of the withdrawal and the achievement attained to the time of withdrawal will be entered on the report card and permanent record. Withdrawal grades are not used in computing GPA or WGPA. However, they are included to determine student academic eligibility for participation in extracurricular activities.

# MARYLAND CERTIFICATES

## **CERTIFICATE OF MERIT**

A Certificate of Merit is earned with a grade point average of 3.0 or above and 12 credits earned in advanced courses.

## **AP RECOGNITION CERTIFICATE**

Thomas S. Wootton High School offers an Advanced Placement (AP) Recognition Certificate. The AP Certificate recognizes students who demonstrate high achievement in AP exams across a variety of academic disciplines. The criteria used will be the successful completion of 5 AP tests in 3 different areas (music and art are considered the same area). A score of 3 or higher is required for each AP exam taken.

# GRADING AND REPORTING

## **Cumulative Grade Point Average (CGPA) and Weighted Grade Point Average (WGPA)**

All semester grades (A-E) appear on the report card and on the permanent record and are used in determining CGPA and WGPA, in accordance with the procedures set forth in MCPS Regulation IKC-RA: Grade Point Averages and Weighted Grade Point Averages.

An additional quality point will be added to grades of A, B, and C in all Honors, Advanced Placement, and advanced-level courses only to determine WGPA.

# TRANSCRIPTS AND REPORT CARDS

1. Semester grades are reported on the transcript at the end of each semester.
2. The GPA on the transcript shows the Cumulative Grade Point Average (CGPA), and the Weighted Grade Point Average (WGPA), which is calculated on a cumulative basis each semester.
3. The GPA on the report card, which is issued quarterly, is a calculation of the marking period grades. The report card also verifies eligibility for extra-curricular activities.

# STUDENT SERVICE LEARNING REQUIREMENTS

Students are required to earn 75 student service learning (SSL) hours before graduation. If a student is not enrolled in MCPS for 7 years of secondary school, his/her hours will be prorated.

Each high school graduate who documents 260 SSL hours or more before graduation will receive a certificate of meritorious service from MSDE and MCPS. See <http://www.montgomeryschoolsmd.org/departments/ssl>.

## Advanced Placement Courses & Testing Fees

Wootton High School offers a comprehensive range of Advanced Placement courses. In these courses students are instructed and study at the college level. Colleges will often, upon successful completion of these courses and tests, grant college credit at matriculation. All students enrolled in an AP course are expected to participate in the National Advancement Placement testing session in May. **The cost of each test is approximately \$86.**

AP Courses offered for 2010-2011 are:

AP Art History	6456/6457	AP Biology (DP)	3651/3652
AP Computer Programming	2901/2902	AP Environmental Science	3659/3660
AP Language	1015/1016	AP Physics (SP)	3841/3842
AP Literature	1017/1018	AP Physics (DP)	3851/3852
AP Chinese	1929/1930	AP US History	2114/2124
AP French Language	1635/1636	AP NSL Government	2104/2105
AP Spanish Language	1759/1760	AP World History	2240/2241
AP Spanish Literature	1761/1762	AP European History	2216/2217
AP Calculus AB	3452/3453	AP Human Geography	2332/2333
AP Calculus BC	3491/3492	AP Comp Gov and Politics	2132/2145
AP Statistics	3320/3321	AP Psychology	2330/2331
AP Music Theory	6547/6548	AP Economics	2315/2316
AP Chemistry (DP)	3751/3752		

### Required Testing Fees for AOIT and Cisco Networking Academy

Students enrolled in the AOIT Academy and/or the CISCO networking Academy using the course codes 5615/5616 are required to take the CCENT exam. Also students enrolled in the Networking Academy using the course codes 4218/4219 as a completer course are required to take the CCENT exam. The cost of the test is approximately \$47.00.

### Required Testing Fees for AOIT and Micro-computer technologies

Students enrolled in the AOIT Academy and/or CISCO Networking Academy using the course codes 5611/5612 are required to sit for the certification exams. Also students enrolled in the Networking Academy using the course codes 4214/4215 as a completer course are required to take the CompTIA A+ exams. The cost of the test is approximately \$74.00.



# **SIGNATURE PROGRAMS AND ACADEMIES**



**Contact:** Ms. Monica Matthey  
Phone: 301/279-8577  
Email: [Monica\\_M\\_Matthey@mcpsmd.org](mailto:Monica_M_Matthey@mcpsmd.org)

## **Academy of Information Technology**

### **AOIT**

A smaller learning community....

**AOIT introduces students to the broad opportunities in today's digital work force and equips them with social, professional and academic skills to excel. ....**

### **Program Pathways**

- Computer Programming
- Computer Networking (CISCO CCNA)
- Information Resource Design
- Paid Internships, Scholarships, Field trips



## Academy of Information Technology (AOIT)

The AOIT is open to incoming 9th grade students.

The AOIT introduces students to the broad career opportunities in today's digital workforce and equips them with the personal, analytical, technical & communications skills they will need. A member program of the National Academy Foundation, the AOIT operates as a "school within a school". In addition to required courses, the AOIT students take one or two specialized courses each semester, a college-level course their junior or senior year, and participate in a paid internship. The networking and information resource design pathways prepare students for industry-certification in networking and web page design. Other advantages include the opportunity to earn up to 10 college credits while in High School, paid 6-8 week summer internship, scholarship opportunities, and current technology training.

Grade 9	Grade 10	Grade 11	Grade 12
English 9	English 10	English 11	English 12
Mathematics	Mathematics	Mathematics	Mathematics
Science 9	Science 10	Science 11	<b>Science Elective</b>
United States History	NSL Government	Modern World History	<b>College Technology Course</b>
<b>Designing Technological Solutions Technology Education Credit</b>	<b>AOIT Pathway Special</b>	<b>AOIT Pathway Special</b>	<b>AOIT Pathway Special</b>
Foreign Language	<b>Foreign Language Or AOIT Elective</b>	<b>Elective</b>	<b>AOIT Elective or Internship</b>
1 Physical Education	1/2 Health	Fine Arts	<b>Elective, AP or Capstone Experience</b>



## AOIT Programming Pathway

Learning languages such as Visual Basic, C++, and Java builds marketable skills and teaches a wide variety of important concepts. Computer programming, one element of computer science, focuses on developing effective problem-solving techniques through individual & team projects. Scientist, engineers, and others use this knowledge to produce programs for new computer games, weather forecasting, controlling robots, medical design and planning in architecture. The Programming Pathway of AOIT will provide unique opportunities for students to express their own creativity by writing programs to solve real-world problems.

<b>National Academy of Information Technology (OASIS Code = AP)            Computer Programming Option            CIP 11.0152.0</b>			
<b>Requirements for Program Completion            (3 credits A) + (1 Credit B)</b>			
Code	Course #	Course Title	Credit
A	2812/2813	Designing Technology Solutions A/B	1.0
	2964/2967	Discovering Programming Concepts A/B	1.0
	2989/2990	Computer Programming 1A/1B (Advanced Level)	1.0
	2901/2902	Computer Programming 2A/2B (Advanced Placement)	1.0
	2965/2966	Computer Programming 3A/3B (Advanced Level)	1.0
B	TBD	College - Information Technology (Advanced Level; Unlimited Repeats)*	0.5
	5720	Internship – National Academy Foundation (Advanced Level) (Unlimited Repeats)*	0.5
	2938/2939	Guided Research – National Academy Foundation A/B (Advanced Level)	1.0

\*National Academy Foundation requirements:

- Six to eight week paid internship
- College-level information technology course

### Articulation Agreements with Montgomery College (MC)

Earn up to 18 credits with a grade of B or better in each course. Students who earn 18 college credits in their high school National Academy of information Technology Computer Programming Pathway program will be saving approximately \$1674 (\$93.00 per credit x 18 credits) plus the costs of textbooks and instructional materials.



## AOIT Networking/Hardware Pathway

The networking/Hardware Pathway of AOIT will provide opportunities for students to investigate how computers work and communicate. They will learn how to diagnose & repair computer and printer problems, share important data on local and wide area networks, and use Internet for personal and business purposes. Having an A+ certification proves that you have a broad use of knowledge and competency in core hardware and operating system technologies. The CCNA certification (CCNET) indicates a foundation in and apprentice knowledge of networking. CCNA certified professionals can install, configure, and operate LAN, WAN and dial access services for small networks, including but not limited to use of these protocols: IP, EIGRP, Serial, Frame Relay, RIP, VLANs, Ethernet, and Access lists.

### Pathway Benefits

**Paid Internships, Scholarship Opportunities,  
Industry Standard Certifications— CISCO Certified Network Administrator Certification (CCNA) & A+ Certification  
(Computing Technology Industry Association (CompTIA))**

<b>National Academy of Information Technology (OASIS Code = AN) Networking/Hardware Option CIP 11.0151.0</b>			
<b>Requirements for Program Completion (1 credit A) + (2 credits B) + (1 Credit C)</b>			
Code	Course #	Course Title	Credit
A	2812/2813	Designing Technology Solutions A/B	1.0
	2964/2967	Discovering Programming Concepts A/B	1.0
	2989/2990	Computer Programming 1A/1B (Advanced Level)	1.0
	2905/2906	Advanced Software Applications by Design A/B	1.0
B	5611/5612 4214/4215	Microcomputer Technologies A/B	1.0
	5613/5614 4216/4217	Microcomputer Technologies A/B (DP)	2.0
	5615/5616 4218/4219	Network Engineering and Management A/B	1.0
	5617/5618 4220/4221	Network Engineering and Management A/B (DP)	2.0
C	4230/4231	Advanced Network Engineering and Management A/B	1.0
	5720	Internship – National Academy Foundation (Advanced Level) (Unlimited Repeats)*	0.5
	2938/2939	Guided Research – National Academy Foundation A/B (Advanced Level)	1.0
	035040	College - Information Technology (Advanced Level; Unlimited Repeats) *	0.5

\*National Academy Foundation requirements:

- Six to eight week paid internship
- College-level information technology course

Articulation Agreements with Montgomery College

Earn up to 24 credits with a grade of B or better in each course. Students who earn 24 college credits in their high school National Academy of Information Technology Networking/Hardware Pathway program will be saving approximately \$2232 (\$93 per credit x 24 credits) plus the costs of textbooks and instructional materials.



## AOIT Information Resource Design Pathway

The information Resource Design pathway of AOIT will provide unique opportunities for students to create friendly, functional Web sites that serve the very important role of sharing vital information with the entire world. Students will study digital media and multimedia tools and concepts. They also will be introduced to the basic concepts of relational database engines and the tools to use them.

### Pathway Benefits

**Up to 12 College Credits, Paid internship, 2 AP Classes,  
Scholarship Opportunities  
Web Site Certification (World Organization of Webmasters)**

<b>National Academy of Information Technology (OASIS Code = AR) Information Resource Design Option CIP 11.0153.0</b>			
<b>Requirements for Program Completion (2 credits A) + (2 Credit B)</b>			
Code	Course #	Course Title	Credit
A	2812/2813	Designing Technology Solutions A/B	1.0
	2964/2967	Discovering Programming Concepts A/B	1.0
	2989/2990	Computer Programming 1A/1B (Advanced Level)	1.0
	2901/2902	Computer Programming 2A/2B (Advanced Placement)	1.0
	2905/2906	Advanced Software Applications by Design A/B	1.0
	2991/2992	Web Site Development A/B	1.0
B	2936/2937	Advanced Web Tools and Digital Media A/B	1.0
	4232/4233	Database Administration Programming A/B	1.0
	035040	College - Information Technology (Advanced Level; Unlimited Repeats)*	0.5
	5720	Internship – National Academy Foundation (Advanced Level) (Unlimited Repeats)*	0.5
	2938/2939	Guided Research – National Academy Foundation A/B (Advanced Level)	1.0

\*National Academy Foundation requirements:

- Six to eight week paid internship
- College- level information technology course

Articulation Agreements with Montgomery College

Earn up to 21 credits with a grade of B or better in each course. Students who earn 21 college credits in their high school National Academy of Information Technology Information Resource Design Pathway program will be saving approximately \$1953 (\$93 per credit x 21 credits) plus the costs of textbooks and instructional materials.

# COLLEGE INSTITUTE

**Contact:** Jane S. Storck  
**Phone:** 301-517-8170  
**Email:** Jane\_S\_Storck@mcpsmd.org

**The College Institute is a collaborative effort by MCPS and Montgomery College since 2002 to provide high achieving students with a unique opportunity to gain college skills and earn college credits during their senior year, by taking college courses at the nearby campus of the Universities of Shady Grove or with our partner school, Gaithersburg High School.**

This program is intended to enrich the senior year by providing opportunities that allow students to develop both academically and socially, to demonstrate maturity and responsibility, and if needed, to receive support for success.

This program:

- Offers challenging courses beyond the AP level
- Allows the earning of transferable college credits by taking college courses while still in high school
- Requires a weekly one-credit transition class to help orient students academically and socially to college
- Demands maintenance of good academic habits & teaches new skills
- Reinforces time management skills
- Provides guidance & mentoring to ensure success for all.

Any student who by the end of their junior year has:

- Completed primarily all of their high school graduation requirements
- Achieved a SAT score of 550 or higher on each of the three sections (Critical Reading, Math, & Writing) and
- Secured a minimum weighted grade point average of 3.5, is eligible for this exciting program.

Wootton and Gaithersburg already offer many AP courses that help prepare students for college. Freshman through junior students are all encouraged to stretch academically and include honors and AP courses in their schedules in preparation for college pursuits.

When a junior elects to include college courses in his/her senior schedule here at Wootton, the College Institute may use the scores from some AP exams to fulfill necessary college course pre-requisites.

*(For example, students desiring a college course in either Abnormal or Social Psychology must achieve a 4 or 5 on their Psychology AP exam.)*

These courses offered through the College Institute are typical courses of first year college students. They include courses which are first in a professional series, general education courses and foundation courses. The courses offered below provide well-grounded experience, enhance a student's college admissions profile, and complement other AP classes. They may provide a foundation for eventual major fields of study or career exploration.

*(Note: in the year 2008, Montgomery College successfully transferred 5,135 students to 4 year colleges & universities in 49 states and DC.)*

#### Courses offered in 2009-2010:

AC105 - Principles of Accounting I\*  
AN101 - Intro to Social & Cultural Anthropology\*  
AN105 - Intro to Physical Anthropology & Archaeology  
BA101 - Intro to Business+  
CJ110 - Administration of Justice\*  
DS107 - First Year Seminar (required 1-credit course)+  
EN122 - Secret Language of Mythology\*  
ES100 - Intro to Engineering Design+  
ES102 - Statics (pre-requisite)  
HS136 - Civil Rights in America  
ME100 - Weather & Climate\*  
PL180 - Morality & Contemporary Law+  
PL105 - Intro to Political Science  
PS203 - International Relations  
PY211 - Social Psychology (pre-requisite)  
PY221 - Abnormal Psychology (pre-requisite)  
SO101 - Intro to Sociology\*  
SO105 - Social Issues and Problems  
SP108 - Intro to Human Communication+  
TH109 - Fundamentals of Acting\*  
WS101 - Intro to Women's Studies\*

\*Courses offered at GHS

+Courses offered at both campuses



**Contact:** Ms. Susan Thorpe  
Phone: 301/279-8581  
Email: Susan\_C\_Thorpe@mcpsmd.org

## **EDUCATION ACADEMY**

**The Education Academy at Wootton** is a comprehensive career program focused on encouraging high school students to consider careers in education, introduce them to the rewards and challenges of the profession, and to support them in pursuit of post secondary education. The Maryland State Department of Education, in collaboration with representatives from all county secondary school systems and the Maryland university system, developed a sequence of courses for the Education Academy. Students who take four courses in the Education Academy will earn college credits that are designed to articulate to a Maryland post secondary teacher education program. This instructional program is aligned with the Interstate New Teacher Assessment and Support Consortium (INTASC) standards and with the National Council for the Accreditation for Teacher Education standards (NCATE). Interested students may also elect to take some of the courses in the Education Academy.

**Child and Adolescent Development is the foundation level course for the Early Childhood Pathway or the Education Academy Pathway.** High school students enroll in this year-long course that is taught in the unique lab school environment. Learning and developmental theories are studied and applied in practical experiences with the pre-k children. Students can continue to advanced levels of Child Development and Adolescent Development 2 and 3. Topics covered in the courses include creative and developmentally appropriate lessons and the skill of observing the growth and development of the children.

**For the Education Academy Pathway**, there are two options for continued study. In both of the options, students study the historical, legal, philosophical and practical aspects of American education.

- Students may enroll in Teaching as a Profession and Teaching and Curriculum.
- Or**
- Students may enroll in Foundations of Education, a college-level course offered in partnership with Montgomery College for 3-4 college credits.

**Internships in Education are offered to students in all Education Academy Pathways.** Students have the opportunity to intern in grades pre-k through grade 12 in Wootton cluster schools and private schools for 2 - 3 periods each day. Seminars are held on a regular schedule to supplement their learning and understanding of professionalism, curriculum and lesson planning, and classroom behavior and management techniques. Interns develop professional portfolios based on the INTASC standards used in college teacher education programs.



# Education Academy at Wootton

	EARLY CHILDHOOD PATHWAY	EDUCATION ACADEMY PATHWAY
<b>Course 1*</b>	<b>Child &amp; Adolescent Development (Honors Pending)</b> 1A 4847      1B 4848	<b>Child &amp; Adolescent Development (Honors Pending)</b> 1A 4847      1B 4848
<b>Course 2</b>	<b>Child &amp; Adolescent Development</b> 2A 4849      2B 4850	<b>Teaching as a Profession</b> A 4870      B 4871 <hr/> <b>Teaching and Curriculum</b> A 4874      B 4875
<b>Course 3</b>	<b>Child &amp; Adolescent Development</b> 3A 4866      3B 4867	(or) <b>Montgomery College Course Options</b> <b>Foundations of Education ED 101/102</b>
<b>Course 4</b>	<b>Education Internship</b> <b>Preschool/Elementary-K-5/Middle School/High School</b> <b>ALL SUBJECTS 1, 2 or 3 Periods</b> A 486010      B 486020 <b>For <u>DOUBLE</u> and <u>TRIPLE</u> periods, use these course codes multiple times.</b>  • Professional Experience      • Portfolio Development      • PRAXIS 1	

\*Prerequisite or taken concurrently with other courses within the Academy

## Certification and College Course Options

### 99 Clock Hours Early Childhood Certification

- To earn certification, student must successfully complete CAD 1A/1B and 2A/2B and 99 clock hour requirements
- Senior staff status
- Maryland State Department of Education

### Montgomery College Associate of Arts in Teaching

- Option for senior year, semester 1 or 2 at Wootton or at Montgomery College
- ED 101 (3 CR)--Foundations of Education
- ED 102 (1 CR)--Field Experience in Education

### MCPS--Montgomery College Articulation for Early Childhood Program (3-9 CR)

- After successful completion of the Early Childhood Program Completer, student may exempt 3-9 credits at Montgomery College
- ED 120 (3 CR)--Child Development /Child Care
- ED 121 (3 CR)--Planning Curricula
- ED 122 (3 CR)--Practicum and Workshop

**Program Description:**



**Early Child and Adolescent Development**

The Early Child and Adolescent Development program prepares students to work with children in a variety of settings. Students study the development of children from the prenatal stages to Grade 3. Students develop competence in creative teaching techniques as they prepare for career options through practical experiences with children in the lab school and in community schools.

**High School Program Planner**

Grade 9	Grade 10	Grade 11	Grade 12
English	English	English	English
Mathematics	Mathematics	Mathematics	Mathematics
Science	Science	Science	Science (Elective)
Social Studies	Social Studies	Social Studies	Fine Arts
Foreign Language	Foreign Language	Foreign Language	Elective
Physical Education	Health (.5)/ Elective (.5)	Technology Education	Elective
<b>Child and Adolescent Development 1A &amp; 1B*</b>	<b>Child and Adolescent Development 2A &amp; 2B*</b>	<b>Child and Adolescent Development 3A &amp; 3B*</b>	<b>Child and Adolescent Development Internship* (Double Period)</b>

\*Courses articulated between Montgomery College and Montgomery County Public Schools

Note: See articulation agreement for other considerations

**Highly Recommended Courses:**

Software Applications by Design A/B

**Recommended Courses:**

Psychology

**\*Course meets one of these Indicators of Rigor:**

2 credits of foreign language

2 credits in advanced technology

Math courses beyond Algebra 2 and Geometry

4 credits in science

**Articulation Agreements:**

**Montgomery College**

Early Childhood Education

Associates of Arts in Teaching A.A.T.

**Internships:**

Upper-level students have opportunities to be placed as interns under teacher supervision at area field sites.

**Program Description:**

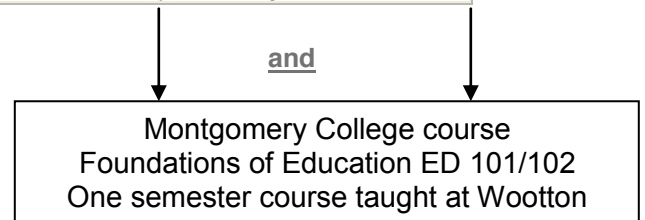


**Teacher Academy of Maryland (TAM)**

The Academy for Teacher Education program prepares students for further education and careers in the education profession. The program consists of four high school credits, in the process of being developed, that focus on teaching as a profession, human growth and development, learning theory, and curriculum and instruction. These credits are designed to articulate to a Maryland post secondary teacher education program. Upon completion of the program and passing the ParaPro test, high School graduations are ready for employment in the teaching profession.

**High School Program Planner**

Grade 9	Grade 10	Grade 11	Grade 12
English	English	English	English
Mathematics	Mathematics	Mathematics	Mathematics
Science	Science	Science	Science (Elective)
Social Studies	Social Studies	Social Studies	Social Studies
Foreign Language	Foreign Language	Foreign Language	Elective
Physical Education	Health (.5)/ Elective (.5)		
<b>Child and Adolescent Development (CAD) 1A &amp; 1B*</b> Can be taken in 9 <sup>th</sup> , 10 <sup>th</sup> , or 11 <sup>th</sup> grade	<b>CAD 1A &amp; 1B</b> or <b>CAD 2A &amp; 2B</b>	<b>CAD 1A &amp; 1B</b> or <b>CAD 2A &amp; 2B</b> or <b>CAD 3A &amp; 3B</b>	<b>Education Academy Internship Double Period</b> or <b>Triple Period</b>



Note: Courses in bold text articulate. See articulation agreement for other considerations

**Highly Recommended Courses:**

Software Applications by Design A/B

**Recommended Courses:**

Psychology

**\*Course meets one of these Indicators of Rigor:**

2 credits of foreign language

2 credits in advanced technology

Math courses beyond Algebra 2 and Geometry

4 credits in science

**Recommended Courses:**

Psychology

**Articulation Agreements:**

**Montgomery College**

Articulation agreement pending

**Internships:**

Upper-level students have opportunities to be placed as interns under teacher supervision at area field sites.



**Contact:** Ms. Michelle Hanson  
Phone: (301) 517-8173  
Email: Michelle\_A\_Hanson@mcpsmd.org

## HUMANITIES & ARTS SIGNATURE PROGRAM

***“Curiosity is one of the permanent and certain characteristics of a vigorous mind.”***

**~Samuel Johnson**

### **What is the Humanities and Arts Signature Program?**

This is a four-year program of focused study for students who are passionate about humanities and/or arts. Students choose a humanities or arts focus during their sophomore year and the program culminates in one of three certificates.

#### *Certificate of Achievement in the Humanities and Arts*

Recipients complete their course of studies with a 2.5 unweighted average in humanities and arts courses, and at least 1 AP course in the humanities or arts.

#### *Scholar in the Humanities and Arts*

Recipients complete their course of studies with a 3.5 unweighted average in humanities and arts courses. They also complete at least 3 AP courses in the humanities and arts and 1 additional course in the humanities and arts that is either an AP course, a college course, or the highest level course in an arts sequence.

#### *Meritorious Scholar in the Humanities and Arts*

Same requirements as Scholar, with these additions: 3.7 unweighted GPA in all humanities and arts courses AND designation of Meritorious on the Senior Independent Project.

### **What are the humanities?**

The humanities encompass the branches of learning that help us understand our culture and that of others. They encompass English, history and other social studies, foreign language and culture, philosophy and religion, law, film, morality. The humanities help us learn *how* to think, not *what* to think.

### **What are the arts?**

The fine arts – dance, music, theatre, and visual arts – represent a form of thinking and a way of knowing that is based on human imagination and judgment. They

actively involve learners as creators, organizers, observers, and evaluators.

### **What are the major components of the H&A Program?**

- First, students take a set of required courses including enriched humanities sections of honors English and Social Studies. Students choose their specific program focus through their selection of their electives.
- Second, students must complete an off-campus experience, which include a study abroad, a university program, or an internship. Arts focus students may also use non-school affiliated art/performance program for this requirement.
- Finally, all signature students must complete and pass the Senior Independent Project.

### **How can I become part of the signature program?**

Students generally enroll in the winter of grade 8 to participate in the program. On a space-available basis, students may enroll in grade 9. *The major prerequisite of applying is that students must be able to enroll in honors-level English and Social Studies courses.* Application forms are available online on the H&A page of the Wootton website. The application must be submitted to your guidance counselor together with your registration form for the next year. You will be formally notified of acceptance in the program.

More information about the program is available from the Program Coordinator.



# H&A SIGNATURE PROGRAM REQUIREMENTS PLANNING SHEET

*Students will choose a focus by the middle of the sophomore year.*

## Humanities Focus

Course	Name of Course (if necessary)	Year Completed (9, 10, 11, 12)	Completed
English Honors 9			
English Honors 10			
Honors/AP English 11			
Honors/AP English 12			
Honors/AP U.S. History			
Honors/AP NSL			
Honors/AP Modern World			
.5 Fine Arts			
.5 Fine Arts			
.5 Fine Arts			
1 Foreign Language			
2 Foreign Language			
3 Foreign Language			
4 Foreign Language			
.5 Additional Elective			
.5 Additional Elective			
.5 Additional Elective			
.5 Additional Elective			
.5 Elective (specialty)			
.5 Elective (specialty)			
Senior Seminar (.5)		Fall Senior Year	

## Arts Focus

Course	Name of Course (if necessary)	Year Completed (9, 10, 11, 12)	Completed
Honors English 9			
Honors English 10			
Honors/AP English 11			
Honors/AP English 12			
Honors/AP U.S. History			
Honors/AP NSL			
Honors/AP Modern World			
1 Foreign Language			
2 Foreign Language			
3 Foreign Language			
1 Fine Arts			
2 Fine Arts			
3 Fine Arts			
4 Fine Arts			
1 Additional Fine Arts OR Foreign Language			
.5 Elective (specialty)			
Senior Seminar (.5)		Fall Senior Year	



## H&A Specialty Electives Courses\*

**Humanities Focus:** Students must take one full credit of specialty electives by graduation.

**Arts Focus:** Students must take .5 credit of specialty elective by graduation.

*(For specific course descriptions, please visit the departmental pages in this bulletin)*

Course	Code/Credit	Semester
Ancient History (Honors)	(2558) (.5)	1
Medieval History (Honors)	(2559) (.5)	2
Comparative Religions	(2320) (.5)	2
Creative Writing	(115270) (.5)	1
Creative Writing: Poetry	(115370) (.5)	2
Debate	(1462) (.5)	2
Fantasy Literature	(113520) (.5)	2
Fashion Drawing and Design A/B	(6355, 6356) (.5)	1, 2
Film Studies I	(113010) (.5)	1
Film Studies II	(113510) (.5)	2
International Cultures and Cuisines A/B	4630/4640	1, 2
Law I	(2312) (.5)	1
Law II	(2343) (.5)	2
Mock Trial	(1461) (.5)	1
Musical Perspectives: Rock 101/ Rock 102	(6565, 6566) (.5)	1
Musical Theatre A/B	(6904, 6905) (.5) (by audition only)	1, 2
Philosophy: Ethics	(2311) (.5)	1
Sociology A/B	(2305, 2314) (.5)	1, 2
Theatre History	6908 (.5)	1 or 2
TV Production A/B	(7860, 7862) (.5)	1, 2
World Mythology	(113020) (.5)	1
International Human Rights	2141 (.5)	1, 2

### Note to H & A Program students in the Class of 2011, 2012 and beyond:

Starting with the class of 2011, students will be asked to choose a focus for their studies in the Humanities & Arts Program. The Humanities focus is approximately the same program of study as has been followed since the program began in 2001 and allows students to study a variety of fields within the humanities in which they may be interested.

The Arts focus is tailored for the performing or visual art student who would like to concentrate on a specific field of study for the program. As soon as a student chooses the Arts focus, he/she will be given an advisor who will help guide the student through the Off-Campus Experience and the Senior Independent Project.

#### Items of note:

- Students will be asked to choose a particular focus by the beginning of the second semester of their sophomore year and may change that focus until the beginning of the second semester junior year. Areas of focus cannot be changed after that time.
- Only Arts focus students will be able to complete an arts-based Senior Independent Project (with creative project).
- Please see the H&A Program Coordinator if you have questions. ☺



## COURSES FOR HUMANITIES & ARTS STUDENTS ONLY

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
English 9A/B (Honors) (Hum)	9	1/2	131366, 131466	Eng 8; limited to signature program students	2 out-of-class essays per 9 wks; additional writing time (3-5 hrs per essay)	3-5 hrs	\$20*
English 10A/B (Honors) (Hum)	10	1/2	132366, 132466	Eng 9; limited to signature program students	2 out-of-class essays per 9 wks; additional writing time (3-5 hrs per essay)	3-5 hrs	None
AP Language 11A/B (Hum)	11	1	101566, 101666	Eng 10; limited to signature program students	2 out-of-class essays per 9 wks; additional writing time (3-5 hrs per essay)	4-6 hrs	None
U.S. History A/B (Honors) (Hum)	9	1/2	211166, 211366	Limited to signature program students	In class essays, weekly reading assignments	2-4 hrs	None
AP U.S. History A/B (Hum)	9 – 12	1/2	211466, 212466	Limited to Signature Program students	*Workbook purchase	10-12 hrs	*\$19/yr
NSL Government A/B (Honors) (Hum)	10	1/2	212766, 212866	Limited to Signature Program students	Mock Congress Campaign Project Ancillary Reading Project	1-3 hrs	None
AP NSL Government A/B (Hum)	10	1/2	210466, 210566	Limited to Signature Program students	News Portfolio Project/chapter outlines/ intensive note taking	10-12 hrs	None
Modern World History A/B (Hum)	11	1/2	222366, 222466	Limited to Signature Program students	Ancillary Readings In class essays	4-5hrs	None
AP World History A/B (Hum)	11	1/2	224066, 224166	Limited to Signature Program students	In class essays/ ancillary readings/ document based questions	8 hrs	None
Senior Seminar	12	1	804100	Limited to Signature Program students	Daytime Seminar during regular day: Senior independent projects required for graduation in the Humanities & Arts Signature program.	3 hrs	None
Senior Seminar	12	1	804110	Limited to Signature Program students	Nighttime Seminar held once a week from 5-8 pm. Night to be determined by instructor. Senior independent projects required for graduation in the Humanities & Arts Signature program. Must have coordinator approval for this section.	3 hrs	None
H&A Internship (Single Period) or (Double Internship)	12			Limited to signature program students	Any 12 <sup>th</sup> Grade H&A students wishing to sign up for an internship that will count for the H&A Off-Campus experience should sign up through one of the following internship programs.  Business/Law/Technology Internship Education Internship Psychology Internship  Please see <b>p. 61</b> of the WHS Course bulletin for more information		None

# LEED

## *laboratory for experiential education and design*

**T**he Laboratory for Experiential Education and Design (LEED) is a student-designed program in which participants are given design challenges and charged to develop, test, and then construct a solution— bringing theoretical ideas to actualization.

LEED students pursue transdisciplinary areas of interest and research that transcends the conventional classroom experience and redefines the traditional approach in problem solving.

Teamwork and leadership are skills emphasized throughout the program.

LEED courses will draw upon the vast network of community resources, mentors, businesses and Universities in the local area to create a “school without walls”.

How people create and unite knowledge is a key determinant of success. The dynamic blending and redefinition of knowledge frameworks is absolutely essential to attacking the diverse, interrelated problems facing the world today.

### **How does leed benefit students?**

Through a unique combination of hands-on and practical application studies in the emerging field of interaction design.

#### **atelier**

##### **Studio Learning**

Activity, inquiry and inspiration are put to work in the hands and minds of students to allow them to fully interface with the problems at all levels.

#### **transdisciplinary**

##### **Uniting the Curriculum**

The dynamic blending and redefinition of knowledge frameworks is absolutely essential to attacking the diverse, interrelated problems facing the world today.

#### **experiential education**

##### **Bringing theoretical ideas to actualization.**

Students and facilitators engage in unique, purposeful, and focused action and reflection with the material, the community and their environment.

#### **design**

##### **The interface of Engineering and Art**

Students solve real design problems, and produce tangible, durable products.

#### **constructionist**

##### **Learning to Learn**

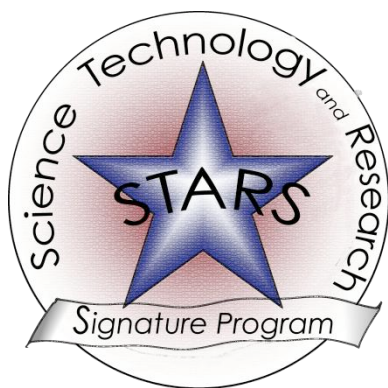
Engaging students to unite theory with praxis in an active process where they construct mental models of the world.

Students are vetted for the program in the fall of Sophomore year. Interested students elect to participate in or are recommended to the program by faculty members. They must participate in a series of workshops introducing them to the program. Students in LEED must agree to complete the entire two year, 3 credit program.

Course credits awarded for the program:

Junior year:	Research Project A and B
Senior Year:	Research and Experimentation: Design and Development
	Research and Experimentation: Engineering for Problem Solving
	STEM* Leadership
	Introduction to Material Science

\* Science, Technology, Engineering and Math



## The STARS Program

Contact: Ms. Terri Nostrand

Phone: 301-279-4970

Email: Terri\_Nostrand@mcpsmd.org

Science, Technology and Research Signature Program (STARS) students participate in a comprehensive, rigorous series of courses that culminate in advanced, independent research. Students participate in smaller learning communities focused on each individual's path of study. In their senior year students hone their individual Perspectives depending on interests, goals and future ambitions.

Students may enter the program with a clear long-term goal, or may be interested in exploring a breadth of possibilities.

The STARS program provides a student with a course of study that emphasizes a strong background in science, mathematics, and computer technology, while encouraging the development of a well-rounded skill set. The STARS student will

- acquire the skills to understand new scientific information and technologies;
- explore career pathways in science, mathematics and technology through internships and authentic research; and
- contribute to the community his or her time and effort to support others in scientific and technological areas.

### Highlights of the STARS Experience:

#### *Small Learning community with shared course pathways*

- Orientation
- Freshman Cohort
- Field trips
- Access to special resources
- College and career guidance
- Regular lectures

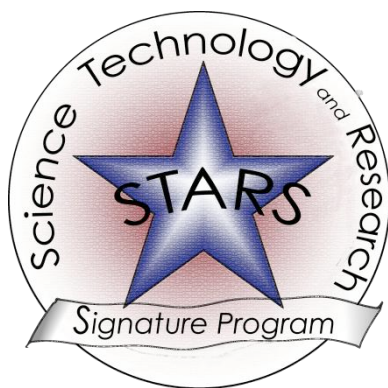
#### *The Research Experience*

##### Research and Design course

- Meaningful Field-Based Research Experience

#### *The Internship Experience*

- Preparation for Interning (workshop prior to senior internship)
- Mentored Scientific Internship



## Core requirements

All STAR candidates will complete the Core Requirements of the program and of MCPS. Each student will also complete an Independent Plan of Study (IPS) contract and complete the specific requirements for his or her IPS and certificate level sought.

Mathematics	4.0 credits	(MCPS Requirements)
Science	4.0 credits	(MCPS requirement +1.0 credit)
Technology Education	1.0 credits	(MCPS requirement)
Research Design	0.5 credit	(10th grade <u>or summer</u> )

STARS candidates are required to:

- participate in a minimum of five STARS events yearly. These may be a combination of business, social, speaker, field studies or seminar meetings.
- participate in at least one school or community-based club or a volunteer activity that supports the goals of STARS annually

## How do I become part of STARS?

Students must apply to the program prior to the completion of their sophomore year. Students will not be admitted to the program after that time except by special circumstance (such as transferring into the school). Regardless of year of entry, all requirements will be met by all students in the program. Applications are available at: [http://montgomeryschoolsmd.org/schools/woottonhs/programs/STARS/images/STARS\\_Application.pdf](http://montgomeryschoolsmd.org/schools/woottonhs/programs/STARS/images/STARS_Application.pdf), or in the STARS office room 202A.

Please see Ms. Nostrand in room 202A for more information, or review your program booklet for details.

Email [Terri\\_Nostrand@mcpsmd.org](mailto:Terri_Nostrand@mcpsmd.org) to set up an appointment to discuss your program of study.

# ACADEMIC AND ELECTIVE COURSES

**REFER TO THE MCPS COURSE BULLETIN FOR COURSE DESCRIPTIONS**

Legend

AP=Advanced Placement

AT=Advanced Technology Credit

DP=Double Period

✓**Bold Title**=A course may be used as an elective in the Humanities and Arts Signature Program

SP= Single Period

T=Technology Credit

TP=Triple Period

# Art Department

ALL COURSES MEET FINE ARTS REQUIREMENT

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
<b>Foundations of Art (FOA) A</b> ✓	9-12	1	6055	None	5-6 per semester	1 hr	\$10/sem
<b>Foundations of Art B</b> ✓	9-12	2	6056	Fund. Art A	5-6 per semester	1 hr	\$10/sem
<b>Painting Studio 1A</b> ✓	9-12	1	610501	None	4 per semester	1 hr	\$20/sem
<b>Painting Studio 1B</b> ✓	9-12	2	610601	Painting 1A	4 per semester	1-2hrs	\$20/sem
<b>Painting Studio 2A</b> ✓	10-12	1	631300	Painting 1A, 1B	4 per semester	1-2hrs	\$20/sem
<b>Painting Studio 2B</b> ✓	10-12	2	631400	Painting 2A	4 per semester	1-2hrs	\$20/sem
<b>Painting Adv Studio A</b> ✓	10-12	1	631301	2 yrs-Painting	4 per semester	1-2hrs	\$20/sem
<b>Painting Adv Studio B</b> ✓	10-12	2	631401	Paint Adv Studio A	4 per semester	1-2hrs	\$20/sem
<b>Studio Art 1A</b> ✓	9-12	1	6105	FOA 1A or Recomm of Middle school art teacher	4-5 per semester & sketchbook	1-2hrs	\$20/sem
<b>Studio Art 1B</b> ✓	9-12	2	6106	Studio Art 1A	4-5 per semester & sketchbook	1-2hrs	\$20/sem
<b>Studio Art 2A</b> ✓	10-12	1	6205	Studio Art 1A&B	4-5 per semester & sketchbook	1-2hrs	\$20/sem
<b>Studio Art 2B</b> ✓	10-12	2	6206	Studio Art 2A	4-5 per semester & sketchbook	1-2hrs	\$20/sem
<b>Studio Art 3A</b> ✓	11-12	1	6305	Studio Art 1&2	4-5 per semester & sketchbook	1-2hrs	\$20/sem
<b>Studio Art 3B</b> ✓	11-12	2	6306	Studio 3B	4-5 per semester & sketchbook	1-2hrs	\$20/sem
<b>Studio Art (AP) A</b> ✓	11-12	1	648201	2 years-Art/ Portfolio/teacher approval	Develop AP portfolio 12 works of art in area of concentration	6 hrs	\$20/sem
<b>Studio Art (AP) B</b> ✓	11-12	2	648202			6 hrs	\$20/sem
<b>Studio Art (AP) A (DP)</b> ✓	11-12	1	648401	2 years-rt/ Portfolio/teacher approval	Develop AP portfolio 12 works of art in area of concentration	6 hrs	\$20/sem
<b>Studio Art (AP) B (DP)</b> ✓	11-12	2	648402			6 hrs	\$20/sem
<b>Ceramics/Sculpture 1A</b> ✓	9-12	1	6381	None	4-5 per semester	1 hr	\$15/sem
<b>Ceramics/Sculpture 1B</b> ✓	9-12	2	6391	Ceramics 1A	4-5 per semester	1 hr	\$15/sem
<b>Ceramics/Sculpture 2A</b> ✓	10-12	1	6383	1 year Ceramics	4-5 per semester	1 hr	\$15/sem
<b>Ceramics/Sculpture 2B</b> ✓	10-12	2	6393	1 year Ceramics	4-5 per semester	1 hr	\$15/sem
<b>Ceramics/Sculpture 3A</b> ✓	11-12	1	6385	2 yrs Ceramics	4-5 per semester	1 hr	\$15/sem
<b>Ceramics/Sculpture 3B</b> ✓	11-12	2	6386	2 yrs Ceramics	4-5 per semester	1 hr	\$15/sem
<b>Ceramics/Sculpture 4A</b> ✓	11-12	1	631302	3 yrs Ceramics	4-5 per semester	1 hr	\$20/sem
<b>Ceramics/Sculpture 4B</b> ✓	11-12	2	631402	3 yrs Ceramics	4-5 per semester	1 hr	\$20/sem
<b>Sculpture Studio A</b> ✓	11-12	1	631303	None	4-5 per semester	1 hr	\$20/sem
<b>Sculpture Studio B</b> ✓	11-12	2	631403	Sculpture Studio A	4-5 per semester	1 hr	\$20/sem
<b>Ceramics (AP) A (DP)</b> ✓	11-12	1	648901	2 yrs Ceramics	Develop AP portfolio w/ 12-14 works of art	6 hrs	\$20/sem
<b>Ceramics (AP) B (DP)</b> ✓	11-12	2	648902	2 yrs Ceramics	Develop AP portfolio w/ 12-14 works of art	6 hrs	\$20/sem

# Art Department

## ALL COURSES MEET FINE ARTS REQUIREMENT

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
Fashion Drawing & Design 1A✓	9-12	1	6355	None	4-5 projects	1 hr	\$10/sem
Fashion Drawing & Design 1B✓	9-12	2	6356	None	4-5 projects	1 hr	\$10/sem
Fashion Advanced Studio 2A✓	10-12	1	631304	FD&D 1A&B	4-5 projects	1 hr	\$10/sem
Fashion Advanced Studio 2B✓	10-12	2	631404	FD&D 1A&B	4-5 projects	1 hr	\$10/sem
<b>ALL PHOTOGRAPHY SECTIONS REQUIRE A 35mm SLR CAMERA</b>							
Photography 1A✓	9-12	1	6345	None	8 major projects, tests & quizzes	5 hrs	\$15/sem
Photography 1B✓	9-12	2	6346	Photo 1A	8 major projects, tests & quizzes	5 hrs	\$15/sem
Photography 2A✓	10-12	1	6347	Photo 1A&1B	8 major projects & portfolio	5 hrs	\$15/sem
Photography 2B✓	10-12	2	6348	Photo 2A	8 major projects & portfolio	5 hrs	\$15/sem
Photo. Adv. Studio 3A✓	11-12	1	631305	Photo 2A & 2B	8 major projects & portfolio	5 hrs	\$20/sem
Photo. Adv. Studio 3B✓	11-12	2	631405	Photo 3A	8 major projects & portfolio	5 hrs	\$20/sem
Photography (AP) A✓	11-12	1	648601	2 yrs-photo full yr req., teacher app.	Develop a portfolio for review, 14-18 major projects	6 hrs	\$20/sem
Photography (AP) B✓	11-12	2	648602			6 hrs	\$20/sem
Photography (AP) A (Double Period) ✓	11-12	1	648701	2 yrs-Photography full year required, teacher approval required	Develop a portfolio for review, 14-18 major projects	6 hrs	\$20/sem
B (Double Period) ✓	11-12	2	648702	2 yrs-Photography full year required, teacher approval required	Develop a portfolio for review, 14-18 major projects	6 hrs	\$20/sem
Art History (AP) A✓	11-12	1	6456	full year required	Projects, tests, museum visits, Daily activities	5 hrs	None
Art History (AP) B✓	11-12	2	6457	AP Art History A	Projects, tests, museum visits, Daily activities	5 hrs	None

## Business and Marketing Education Department

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(S) (Approx)	FEES
College/Career Research & Development (CCRD) A*	10-11	1	8092	None	Open to all students; required for OJT	TBD	none
College/Career Research & Development (CCRD) B*	10-11	2	8093	CCRD semester A	Research info for career & college planning; Portfolio development	TBD	none
College/Career Seminar A**	12	1	8065	CCRD (A &B)	Required for Site-Based Work Experience students Research info for career & college planning; Portfolio development	TBD	none
College/Career Seminar B**	12	2	8066	CCRD(A&B) & College/Career Seminar (A)	Required for Site-Based Work Experience students Work based issues; Transitioning from school to work; Portfolio development	TBD	none
Marketing A*	10-12	1	5431	none	Market research, promotional packages	2.5 hrs	none
Marketing B*✓◆	10-12	2	5432	Marketing A	Product Development and Distribution, CLEP Exam	2.5 hrs	none
Advanced Marketing A*	11-12	1	5433	Marketing A & B	Global Econ. and Marketing	2.5 hrs	none
Advance Marketing B*◆	11-12	2	5434	Advanced Mktg. A	CLEP Exam	2.5 hrs	none
Site Based Work Experience A (DP)*	11-12	1	544100	Application & Signature required	Students work at least 10 hours a week (Mon-Fri)	0-2 hrs	none
Site Based Work Experience B (DP)*	11-12	2	544200	Signature required		0-2 hrs	none
Site Based Work Experience A (TP)*	11-12	1	544300	Application & Signature required	Students work at least 15 hours a week (Mon-Fri)	0-2 hrs	none
Site Based Work Experience B (TP)*	11-12	2	544400	Signature required		0-2 hrs	none
Accounting 1A (AT)	10-12	1	4111	Software Apps Design A	Projects use accounting software	2.5-3 hrs	none
Accounting 1B (AT) ◆	10-12	2	4112	Accounting 1A	Projects use accounting software - CLEP Exam	2.5-3 hrs	none
Business Law	11-12	2	4132	None	Case Studies/E-Commerce	3-5 hrs	none
Personal Finance A	10-12	1 or 2	4158	None	Personal finance topics including – investing, taxes, insurance, credit management	2-3 hrs	none
Business Internship A (Single Period)	12	1	547118	Application and Signature required	At least 5 hours/week at site plus projects & weekly logs	1hr plus site hrs	none
Business Internship B (Single Period)	12	2	547128	Application and Signature required	At least 5 hours/week at site plus projects & weekly logs	1hr plus site hrs	none
Business Internship A (Double Period)	12	1	547117 & 547118	Application and Signature required	At least 9 hours/week at site plus projects & weekly logs	1hr plus site hrs	none
Business Internship B (Double Period)	12	2	547127 & 547128	Application and Signature required	At least 9 hours/week at site plus projects & weekly logs	1hr plus site hrs	none
Business Internship A (Triple Period)	12	1	547116 & 547117 & 547118	Application and Signature required	At least 14 hours/week at site plus projects & weekly logs	1hr plus site hrs	none
Business Internship B (Triple Period)	12	2	547126 & 547127 & 547128	Application and Signature required	At least 14 hours/week at site plus projects & weekly logs	1hr plus site hrs	none

\*Site-Based Work Experience students are required to pass both CCRD A and CCRD B as a prerequisite to College/Career Seminar A/B.

\*\* Site-Based Work Experience students are required to take College/Career Seminar concurrent with the Site-Based Work Experience.

◆College credit may be gained from successful test scores of the College Level Examination Program (CLEP).

# Career & Technology

## BUSINESS COURSE DESCRIPTIONS

### **College/Career Research & Development (A/B) – 8092/8093**

This class provides students with instruction on Maryland's Career Development Model and includes self awareness, career awareness, and career exploration. Students taking this course take a variety of career and interest assessments, research careers and begin to develop a portfolio demonstrating workplace and academic readiness. **Prerequisite for CCRD B is CCRD (A).**

### **College/Career Seminar (A/B) – 8065/8066**

This course continues self-awareness, career awareness, and the career exploration process. However, this course is more focused on career research, career preparation and transition. Students will learn skills need for: effective career planning, decision making, goal setting, financial literacy, and transition planning. Students in this course will learn how to effectively plan for their future incorporating both employment, education and training goals, build financial literacy skills, and integrate the Maryland Skills for Success as they begin to manage their career choices and educational choices.

**Prerequisite – CCRD (A/B). This course is required to be taken concurrently with Site-Based Work Experience during the senior year.**

### **Personal Finance (A) – 4158**

This course is based on The Family Economics & Financial Education curriculum, "Take Charge of Your Finances" which prepares students for successful management of their personal finances. It is a course that addresses the knowledge, skills, attitudes, and behaviors associated with the management of family economics and financial education. Throughout this course, students will learn how to: analyze needs versus wants, set financial goals, research the lifecycle of financial planning, read paychecks and tax forms, manage cash, credit and bank accounts, examine the time value of money and savings, develop personal spending plan, and investigate the stock market.

# Computer Science

ALL COURSES ARE ELIGIBLE FOR AOIT CREDIT

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
Software Applications by Design A	9-11 12	1 1	8850 2903	None	M.O.U.S. Certification, Microsoft Word, Excel Powerpoint, etc.	1-2 hrs	None
Software Applications by Design B	9-11 12	2 2	8851 2904	Software App by Design A		1-2 hrs	None
Advanced Software Applications by Design A (AT)	9-12	1	2905	Software App by Design A&B	same as above	1-2 hrs	None
Advanced Software Applications by Design B (AT)	9-12	2	2906	Adv Software App by Design A	same as above	1-2 hrs	None
Web Site Development A (AT)	9-12	1	2991	Soft.App Design A	Various Web Dev projects	1-2 hrs	None
Web Site Development B (AT)	9-12	2	2992		Various Web Dev projects	1-2 hrs	None
Advanced Web Tools & Digital Media A	10-12	1	2936	Web Dev. A & B	Projects involve preparing students for web scripting, Web Server admin. and Web-based multimedia tools	2-3 hrs	None
Advanced Web Tools & Digital Media B	10-12	2	2937	Adv. Web Tools A		2-3 hrs	None
Microcomputer Technologies A	10-11 12	1 1	8866 5611	Teacher recomm	Identify and install components of a personal computer	2-3 hrs	None
Microcomputer Technologies B	10-11 12	2 2	8867 5612	Microcomputer Technologies A, Teacher recomm.	Build, repair and maintain personal computers	2-3 hrs	None
**Network Engineering & Management A	11 12	1 1	8870 5615	Microcomputer Technologies A&B, Teacher recomm.	Create a local area network; take on-line tests for Cisco Network Admin certification	3-4 hrs	\$10/sem
**Network Engineering & Management B	11 12	2 2	8871 5616	Microcomputer Technologies A&B, Teacher recomm.	Create a Wide Area Network using Cisco Routers; take on-line tests for Cisco Network	3-4 hrs	\$10/sem
Computer Programming 1A (Visual C)	9-11 12	1 1	8854 2989	Geometry	In-class programming; 2 major projects	2-3 hrs	None
Computer Programming 1B (Visual C)	9-11 12	2 2	8855 2990	Geometry and CP1A	In-class programming; 2 major projects	2-3 hrs	None
Computer Programming2A (Java) (AT)	10-12	1	2901	CP 1B or Teacher's Recomm required	In-class programming; Expected to take AP exam	3-6 hrs	None
Computer Programming2B (Java) (AT)	10-12	2	2902	CP 2A or Teacher's Recomm required	In-class programming; Expected to take AP exam	3-6 hrs	None
Advanced Topics in Computer Science A (AT)	10-12	1	2965	CP 2B or Teacher's Recomm required	UMD CP Approved Curriculum	6-8 hrs	None
Advanced Topics in Computer Science B (AT)	10-12	2	2966	CP 3A or Teacher's Recomm required	UMD CP Approved Curriculum	6-8 hrs	None

\*\* Students must sit for national certification examination for CISCO Networking  
**Those students who graduate in 2012 or thereafter must take Foundations of Technology, Introduction to Engineering Design, Principles of Engineering or Designing Technology Solutions to fulfill the Maryland State technology credit for graduation.**

# English Department

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
English 9A	9	1	1311	Eng 8	2 out-of-class essays per 9 wks; additional writing time (3-5 hrs per essay) *A Pocket Style Manual Required	3-5 hrs	None
English 9B	9	2	1312	Eng 8		3-5 hrs	None
English 9A (Honors)	9	1	1313	Eng 8	2 out of class essays per 9 wks; additional writing time (3-5 hrs per essay) * A Pocket Style Manual Required	3-5 hrs	None
English 9B (Honors)	9	2	1314	Eng 8		3-5 hrs	None
English 9A (Honors) (Humanities)	9	1	131366	Eng 8; limited to signature program students	2 out-of-class essays per 9 wks; additional writing time (3-5 hrs per essay) * A Pocket Style Manual Required	3-5 hrs	None
English 9B (Honors) (Humanities)	9	2	131466	Eng 8; limited to signature program students	2 out-of-class essays per 9 wks; additional writing time (3-5 hrs per essay) * A Pocket Style Manual Required	3-5 hrs	None
English 10A	10	1	1321	Eng 9	2 out-of-class essays per 9 wks; additional writing time required (3-5 hrs per essay) * A Pocket Style Manual Required	3-5 hrs	None
English 10B	10	2	1322	Eng 9		3-5 hrs	None
English 10A (Honors)	10	1	1323	Eng 9	2 out of class essay per 9 wks; additional writing time required (3-5 hrs per essay) * A Pocket Style Manual Required	3-5 hrs	None
English 10B (Honors)	10	2	1324	Eng 9		3-5 hrs	None
English 10A (Honors) (Humanities)	10	1	132366	Eng 9; limited to signature program students	2 out-of-class essays per 9 wks; additional writing time (3-5 hrs per essay) * A Pocket Style Manual Required	3-5 hrs	None
English 10B (Honors) (Humanities)	10	2	132466	Eng 9; limited to signature program students	2 out-of-class essays per 9 wks; additional writing time (3-5 hrs per essay) * A Pocket Style Manual Required	3-5 hrs	None
English 11A	11	1	1331	Eng 10	2 out-of-class essays per 9 wks; additional writing time required (4-6hrs per essay)	4-6 hrs	None
English 11B	11	2	1332	Eng 10		4-6 hrs	None
English 11A (Honors)	11	1	1333	Eng 10	2 out of class essays per 9 wks; additional writing time required (4-6hrs per essay)	4-6 hrs	None
English 11B (Honors)	11	2	1334	Eng 10		4-6 hrs	None
AP Language 11A	11	1	1015	Eng 10 (10 honors encouraged)	College level course; 2 out-of-class essays per 9 wks; emphasis on research, synthesis and analysis; additional writing time required and AP Language Exam Required	4-6 hrs	None
AP Language 11B	11	2	1016	Eng 10 (10 honors encouraged)		4-6 hrs	None
AP Language 11A (Humanities)	11	1	101566	Eng 10	2 out-of-class essays per 9 wks; additional writing time required (4-6hrs per essay)	4-6 hrs	None
AP Language 11B (Humanities)	11	2	101666	Eng 10		4-6 hrs	None
English 12A	12	1	1341	Eng 11	2 out-of-class essays per 9 wks; additional writing time required (4-6hrs per essay)	4-6 hrs	None
English 12B	12	2	1342	Eng 11		4-6 hrs	None
English 12A (Honors)	12	1	1343	Eng 11	2 out-of-class essays per 9 wks; additional writing time required (4-6hrs per essay)	4-6 hrs	None
English 12B (Honors)	12	2	1344	Eng 11		4-6 hrs	None
AP Literature 12A	12	1	1017	Eng 11	2 out-of-class essays per 9 wks with emphasis on literary analysis and research; additional writing time required (5-7hrs per essay) AP Literature Exam	4-6 hrs	None
AP Literature 12B	12	2	1018	Eng 11		4-6 hrs	None
AP Language 12A	12	1	101550	Eng 11	2 out-of-class essays per 9 wks; additional writing time required (5-7 hrs per essay) AP Language exam	4-6 hrs	None
AP Language 12B	12	2	101650	Eng 11		4-6 hrs	None
SAT Preparation English	11-12	1/2	1142	None	English section, practice on verbal & writing sections of the SAT	2-3 hrs	None

# English Department

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
<b>Journalism A</b> ✓	9-12	1	1150	None	This introductory course introduces techniques of reporting and journalistic writing.	2-3 hrs	None
<b>Journalism B</b> ✓	9-12	2	1151	None		2-3 hrs	None
<b>Techniques of Adv Journalism (Newspaper)</b> ✓	10-12	1	1152	Journalism 1	Students write and publish Wootton's Common Sense Newspaper each 6 wks; Excellent course for students interested in journalism.	3-5 hrs	None
<b>Pub Edit, Layout, Mgmt (Newspaper)</b> ✓	10-12	2	1153	Journalism 1	Newspaper each 6 wks; deadline production	2-3 hrs	None
<b>Techniques of Adv Journalism (Yearbook)</b>	10-12	1	115240	1 yr commitment	Help to capture the school year by participating in the publication of the school yearbook	3-5 hrs	None
<b>Pub Edit, Layout, Mgmt (Yearbook)</b>	10-12	2	115340	1 yr commitment	Yearbook deadlines production increases hours	2-3 hrs	None
<b>Creative Writing</b> ✓	9-12	1	115270	None	This elective course allows students to explore poetry, fiction, and memoir. Students write and workshop original writing and this course assists with publication of the school's literary magazine.	2-3 hrs	None
<b>Creative Writing: Poetry</b> ✓	9-12	2	115370	None	This course explores the art of writing poetry. Students will write original poems and will have the opportunity to workshop their original works.	2-3 hrs	None
<b>Mock Trial</b> ✓	9-12	1	1461	None	Develops prosecution and defense of actual cases		
<b>Debate</b> ✓	9-12	2	1462	None	Learn the art of debate and persuasive speaking. This course develops skills for participation in competitive Debating.	2-3 hrs	None
<b>Film Studies</b> ✓	9-12	1	113010	None	Let's go to the movies! This course explores various film genres and techniques of film analysis. A must for any student who enjoys the technical aspects of film.	2-3 hrs	None
<b>Film Studies II</b> ✓	9-12	2	113510	Film Studies I	Film Studies II explores in greater depth the genres of documentary and comedy.	2-3 hrs	None
<b>World Mythology: The Enduring Power of Greco-Roman Mythology</b> ✓	9-12	1	113020	None	Return to a time when men were men, women were women and gods were constantly getting in their business. Read and interpret tales of adventure, seduction, betrayal, and glory. See the influence of these ancient stories through centuries of art, literature and music, and in our contemporary world. Use these myths as inspiration for your own creative endeavors.	2-3 hrs	None
<b>Fantasy Literature</b> ✓	9-12	2	113520	None	Explore the evolution of "the hero" from Odysseus to Batman. Delve into fairy tales from Grimm to Disney. Even travel to space with The Hitchhiker's Guide to the Galaxy. TV and film component involved.	2-3 hrs	None
<b>Writing Center Internship A</b> ✓	11-12	1	781367	AP Eng enrollment + teacher recommendation	Peer writing consultant; can fulfill experience H&A Off Campus requirement	2-3 hrs	None
<b>Writing Center Internship B</b> ✓	11-12	2	781667	AP Eng enrollment + teacher recommendation	Peer writing consultant; can fulfill experience H&A Off Campus requirement	2-3 hrs	None

**Honors or On Level?**

On Level classes provide more scaffolding for both the reading and writing tasks students are asked to perform, the focus on mastering basic processes reflected in the weight given to homework and classwork assignments preparing students for writing (30% homework/classwork/quizzes; 30% oral reports projects, tests; 40% compositions). As they acquire more mastery, students are enrolled in Honors classes where their increased proficiency enables them both to read more complex works and to write about them with greater facility. Thus, Honors classes have less weight given to the preparatory homework and classwork activities and more weight given in writing (20% homework, classwork, quizzes; 30% oral reports, projects, tests; 50% composition).

## English For Speakers of Other Languages (ESOL)

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
ESOL Level 1A, Part 1	9-12	1	1201	Must take #1217	Two projects per quarter and bilingual dictionaries recommended for all levels	3 hrs	None
ESOL Level 1B	9-12	2	1211	Must take #1218		3 hrs	None
ESOL Level 1A, Part 2	9-12	1	1217	Must take #1201	Two projects per quarter and bilingual dictionaries recommended for all levels	3 hrs	None
ESOL Level 1B	9-12	2	1218	Must take #1211		3 hrs	None
ESOL Level 2A, Part 1	9-12	1	1202	Must take #1219*	Two projects per quarter and bilingual dictionaries recommended for all levels	3 hrs	None
ESOL Level 2B	9-12	2	1212	Must take #1220*		3 hrs	None
ESOL Level 2A, Part 2	9-12	1	1219	Must take #1202*	Two projects per quarter and bilingual dictionaries recommended for all levels	3 hrs	None
ESOL Level 2B	9-12	2	1220	Must take #1212*		3 hrs	None
ESOL Level 3A	9-12	1	1203	Resource	Two projects per quarter and bilingual dictionaries recommended for all levels	3 hrs	None
ESOL Level 3B	9-12	2	1213	Approval*		3 hrs	None
ESOL Level 4A	9-12	1	1204	Resource	Two projects per quarter and bilingual dictionaries recommended for all levels	3 hrs	None
ESOL Level 4B	9-12	2	1214	Approval*		3 hrs	None
ESOL Level 5A	9-12	1	1205	Resource	Two projects per quarter and bilingual dictionaries recommended for all levels	2 hrs	None
ESOL Level 5B	9-12	2	1215	Approval*		2 hrs	None
NSL Government A	9-12	1	210720	ESOL Levels 3-5	Bilingual dictionaries recommended for all levels	3 hrs	None
NSL Government B	9-12	2	210820	ESOL Levels 3-5	In class essays	3 hrs	None
ESOL Biology A	9-12	1	363120	ESOL Levels 3-5	Bilingual dictionaries recommended for all levels	5 hrs	None
ESOL Biology B	9-12	2	363220	ESOL Levels 3-5	Bio lit reading projects	5 hrs	None

\*ESOL Levels are assigned according to departmental recommendation based on the student's language proficiency as determined by tests and class performance.

## Family and Consumer Science Department

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s)	FEES
Child & Adolescent Development 1A	9-12	1	4847	None	planning, teaching and observation in lab school/portfolio	1-2 hrs	None
Child & Adolescent Development 1B	9-12	2	4848	Child Dev 1A	planning, teaching and observation in lab school/portfolio	1-2 hrs	None
Child & Adolescent Development 2A	10-12	1	4849	Child Dev 1A&B	planning, teaching and observation in lab school/portfolio	1-2 hrs	None
Child & Adolescent Development 2B	10-12	2	4850	Child Dev 2A	planning, teaching and observation in lab school/portfolio	1-2 hrs	None
Child & Adolescent Development 3A	11-12	1	4866	Child Dev 2 A&B	planning, teaching and observation in lab school/portfolio	1-2 hrs	None
Child & Adolescent Development 3B	11-12	2	4867	Child Dev 3A	planning, teaching and observation in lab school/portfolio lab school/portfolio	1-2 hrs	
Education Internship A (SP)	11-12	1	486010	1 credit-Child Dev	lesson plans/portfolio	2-3 hrs	None
Education Internship B (SP)	11-12	2	486020	1 credit-Child Dev	lesson plans/portfolio	2-3 hrs	None
Education Internship A (DP)	11-12	1	+486010	1 credit-Child Dev/Teacher App.	lesson plans/portfolio	2-3 hrs	None
Education Internship B (DP)	11-12	2	+486020	1 credit-Child Dev/Teacher App	lesson plans/portfolio	2-3 hrs	None
Education Internship A (TP)	11-12	1	+486010	1 credit-Child Dev/Teacher App	lesson plans/portfolio	2-3 hrs	None
Education Internship B (TP)	11-12	2	+486020	1 credit-Child Dev/Teacher App	lesson plans/portfolio	2-3 hrs	None
International Cultures and Cuisines A	9-12	1	4630	None	food labs	1 hr	\$20/sem
International Cultures and Cuisines B	9-12	2	4640	None	food labs	1 hr	\$20/sem
Food Trends and Technology A	10-11 12	1 1	8858 4843	None	food labs/2-3 projects	1-2 hrs	\$15/sem
Food Trends and Technology B	10-11 12	2 2	8859 4844	Food Trends A	food labs/2-3 projects	1-2 hrs	\$15/sem
Hospitality Management Internship A (DP)	11-12	1	+481610	2-3 credits-Foods	Logs, portfolio, reflections	1-2 hrs	None
Hospitality Management Internship B (DP)	11-12	2	+481620	2-3 credits-Foods	Logs, portfolio, reflections	1-2 hrs	None

+ For DOUBLE and TRIPLE period internships, use these course codes multiple times.

# Foreign Language Department

✓ Humanities and Arts Signature Program students may enroll in a second foreign language as an elective.

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
Chinese 1A	9-12	1	1871	None	Chinese culture research	2 hrs	None
Chinese 1B	9-12	2	1872	Chinese 1A	Chinese culture research	2 hrs	None
Chinese 2A	9-12	1	1873	Chinese 1B	Han Pin-Yin, characters; thematic unit projects	2 hrs	None
Chinese 2B	9-12	2	1874	Chinese 2A	Han Pin-Yin, characters; thematic unit projects	2 hrs	None
Chinese 3A	9-12	1	1875	Chinese 2B	one large culture project	2.5 hrs	None
Chinese 3B	9-12	2	1876	Chinese 3A	one large culture project	2.5 hrs	None
Chinese 3A (Honors)	9-12	1	1925	Chinese 2B	one large culture project; dictionary recommended	3 hrs	None
Chinese 3B (Honors)	9-12	2	1926	Chinese 3A	one large culture project; dictionary recommended	3 hrs	None
Chinese 4A	9-12	1	1877	Chinese 3B	one large culture project; short essay; dictionary recommended	3.5 hrs	None
Chinese 4B	9-12	2	1878	Chinese 4A	one large culture project; short essay; dictionary recommended	3.5 hrs	None
Chinese 4A (Honors)	9-12	1	1927	Chinese 3B	one large culture project; short essay; dictionary recommended	4 hrs	None
Chinese 4B (Honors)	9-12	2	1928	Chinese 4A	one large culture project; short essay; dictionary recommended	4 hrs	None
Chinese 5A	9-12	1	1879	Chinese 4B	essay writing; small presentation; dictionary recommended; culture project	4.5 hrs	None
Chinese 5B	9-12	2	1880	Chinese 5A	essay writing; small presentation; dictionary recommended	4.5 hrs	None
AP Chinese Language A	9-12	1	1929	Chinese 5	dictionary and small tape recorder recommended; summer assignment; projects and class presentations	5 hrs	None
AP Chinese Language B	9-12	2	1930	AP Chinese Language A	dictionary and small tape recorder recommended; projects and class presentations	5 hrs	None
French 1A	9-12	1	1611	None	two culture/vocabulary projects per semester	2 hrs	None
French 1B	9-12	2	1621	French 1A	two culture/vocabulary projects per semester	2 hrs	None
French 2A	9-12	1	1612	French 1B	two culture projects per semester	2.5 hrs	None
French 2B	9-12	2	1622	French 2A	two culture projects per semester	2.5 hrs	None
French 3A	9-12	1	1613	French 2B	two culture/vocabulary projects per semester; dictionary recommended	3 hrs	None
French 3B	9-12	2	1623	French 3A	two culture/vocabulary projects per semester; dictionary recommended	3 hrs	None
French 3A (Honors)	9-12	1	1633	French 2B	at least two culture/vocabulary projects	3 hrs	None
French 3B (Honors)	9-12	2	1643	French 3A	per semester; dictionary recommended	3 hrs	None
French 4A (Honors)	9-12	1	1634	French 3B (Hon)	one major art project/dictionary recommended	3 hrs	None
French 4B (Honors)	9-12	2	1644	French 4A (Hon)	one major literature project/dictionary recommended	3 hrs	None
French 4/5A	9-12	1	161550	French 3B	two major art/culture or literature projects per semester;	4 hrs	None
French 4/5B	9-12	2	162550	French 4/5A	dictionary recommended	4 hrs	None
French 5A	9-12	1	1615	French 4B (Hon)	dictionary and small tape recorder recommended	4 hrs	None
French 5B	9-12	2	1625	French 5A	dictionary and small tape recorder recommended	4 hrs	None
French 6A	9-12	1	1616	French 4/5 or 5	Includes films, literature, and culture projects	3 hrs	None
French 6B	9-12	2	1626	French 6A	Includes films, literature, and culture projects	3 hrs	None
AP French Language A	9-12	1	1635	At least French 4	Small presentations throughout;	5 hrs	None
AP French Language B	9-12	2	1636	French Lang AP A	dictionary and small tape recorder recommended	5 hrs	None

**Honors or On Level? Honors courses in Foreign Languages involve additional literature selections and more frequent and in-depth projects and presentations.**

# Foreign Language Department

✓Humanities and Arts Signature Program students may enroll in a second foreign language as an elective.

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
Latin 1A	9-12	1	1811	None	two major culture/history projects each semester	2 hrs	None
Latin 1B	9-12	2	1821	Latin 1A	two major culture/history projects each semester	2 hrs	None
Latin 2A	9-12	1	1812	Latin 1B	one project/quarter; dictionary recommended	2.5-3.5 hrs	None
Latin 2B	9-12	2	1822	Latin 2A	one project/quarter; dictionary recommended	2.5-3.5 hrs	None
Latin 3A (Honors)	9-12	1	1815	Latin 2B	one project/quarter; dictionary recommended	2.5-3.5 hrs	None
Latin 3B (Honors)	9-12	2	1825	Latin 3A (Honors)	one project/quarter; dictionary recommended	2.5-3.5 hrs	None
Latin 4A (Honors)	9-12	1	1816	Latin 3B (Honors)	one project/quarter; dictionary recommended	2.5-3.5 hrs	None
Latin 4B (Honors)	9-12	2	1826	Latin 4A (Honors)	one project/quarter; dictionary recommended	2.5-3.5 hrs	None
Spanish 1A	9-12	1	1711	None	one major culture project each semester	2.5 hrs	None
Spanish 1B	9-12	2	1721	Spanish 1A	one major culture project each semester	2.5 hrs	None
Spanish 2A	9-12	1	1712	Spanish 1B	small projects throughout; dictionary recommended	3.75 hrs	None
Spanish 2B	9-12	2	1722	Spanish 2A	small projects throughout; dictionary recommended	3.75 hrs	None
Spanish 3A	9-12	1	1713	Spanish 2B	four small theme-related projects/semester;	3 hrs	None
Spanish 3B	9-12	2	1723	Spanish 3A	dictionary recommended	3 hrs	None
Spanish 3A(Honors)	9-12	1	1733	Spanish 2B	four small theme-related projects/semester;	2.5-3.5 hrs	None
Spanish 3B(Honors)	9-12	2	1743	Spanish 3A	dictionary recommended	2.5-3.5 hrs	None
Spanish 4A	9-12	1	1714	Spanish 3B	compositions and presentation throughout;	3.5 hrs	None
Spanish 4B	9-12	2	1724	Spanish 4A	dictionary recommended	3.5 hrs	None
Spanish 4/5A	9-12	1	171550	Spanish 3B	summer reading; use of Spanish outside	4+ hrs	None
Spanish 4/5B	9-12	2	172550	Spanish 4/5A	classroom projects; dictionary recommended	4+ hrs	None
Spanish 5A	9-12	1	1715	Spanish 4B	major article project; essays; compositions	5 hrs	None
Spanish 5B	9-12	2	1725	Spanish 5A	and literature and video reviews throughout	5 hrs	None
					dictionary recommended		
AP Spanish Language A	9-12	1	1759	at least Spanish 4	summer reading assignment; dictionary and	5+ hrs	None
AP Spanish Language B	9-12	2	1760	Spanish AP Lang A	small tape recorder recommended	5+ hrs	None
AP Spanish Lit A	9-12	1	1761	at least Spanish 4	small research presentations throughout;	5+ hrs	None
AP Spanish Lit B	9-12	2	1762	Spanish AP Lit A	summer reading assignment; dictionary recommended	5+ hrs	None
American Sign Language 1A*	9-12	1	1596	None	one major project/quarter; small presentations	2.5 hrs	None
American Sign Language 1B*	9-12	2	1597	ASL 1A	throughout	2.5 hrs	None
American Sign Language 2A*	9-12	1	1593	ASL 1B	one major project/quarter; group/individual	2.5 hrs	None
American Sign Language 2B*	9-12	2	1594	ASL 2A	class presentations	2.5 hrs	None
German 2A	9-12	1	1962	German 1B	two culture projects per semester	2 hrs	None
German 2B	9-12	2	1972	German 2A	two culture projects per semester	2 hrs	None
German 3A (Honors)	9-12	1	1977	German 2B	two culture projects per semester	2 hrs	None
German 3B (Honors)	9-12	2	1979	German 3A	two culture projects per semester	2 hrs	None
German 4A (Honors)	9-12	1	1978	German 3B	two culture projects per semester	2 hrs	None
German 4B (Honors)	9-12	2	1980	German 4A	two culture projects per semester	2 hrs	None

**Honors or On Level? Honors courses in Foreign Languages involve additional literature selections and more frequent and in-depth projects and presentations.**

\*American Sign Language credits may count toward fulfillment of the Maryland high school graduation requirements. However, they may not be used in conjunction with (a) credit(s) from other foreign language offerings to fulfill the graduation requirement.

## Health Department

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
Comprehensive Health Education	10	1 / 2	7835	None	Graduation requirement, composition notebook, article critiques, 3 projects	2 hrs	None
Comprehensive Health Education (Honors)	10	1 / 2	7841	None	Graduation requirement, composition notebook, article critiques, 6 projects	4 hrs	None
First Aid-Responding to Emergencies	11-12	1 / 2	7842	Successful completion of Comp. Health Education (course #7835 or #7841)	Certification of Infant, Child, Adult CPR and First Aid upon completion of course	5 hrs	\$20

### First Aid-Responding to Emergencies

#### Course Description:

This semester course will prepare students to recognize emergencies, make appropriate decisions for first aid care, and acquire **American Red Cross Certification**. This course teaches the first aid skills the citizen responder will need in order to act as the first link in Emergency Medical Services (EMS) system. This course will emphasize prevention of injuries and illness, with a focus on personal safety and health. Using a healthy lifestyles-awareness inventory, students will assess their environment and personal habits to reduce their risk of injury and illness.

# Mathematics Department

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
Algebra 1A	9-10	1	3111	MS Teacher recommendation	Homework daily (10-30 minutes); long and short term projects;	3 hrs	none
Algebra 1B	9-10	2	3112			3 hrs	none
Related Math A	9-10	1	323100	9 <sup>th</sup> , 10 <sup>th</sup> graders only Rising 9 <sup>th</sup> graders need MS Teacher recommendation	Assignments supporting Algebra I course	1 hr	none
Related Math B	9-10	2	323200			Assignments supporting Algebra I course	1 hr
Geometry A	9-12	1	3201	Algebra 1 w/ C or higher or PGA	Homework daily (10-40 minutes); 1 project each quarter (5-10 hrs);	4-5 hrs	none
Geometry B	9-12	2	3202			4-5 hrs	none
Geometry Support A	10-11	1	3051	Algebra 1 w/ D Elective credit only	Homework daily (10-30 minutes)	3-5 hrs	none
Geometry Support B	10-11	2	3052			Homework daily (10-30 minutes)	3-5 hrs
Honors Geometry A	9-10	1	3203	Algebra 1 above 85% Teacher recomm	Homework daily (20-40 minutes); 1 project each quarter (5-10 hrs);	4-6 hrs	none
Honors Geometry B	9-10	2	3204			4-6 hrs	none
Bridge to Algebra 2 A	10-12	1	3053	Geo w/ grade low C Or lower	Homework daily (10 – 30 minutes)	3-5 hrs	none
Bridge to Algebra 2 B	10-12	2	3054			Homework daily (10 – 30 minutes)	3-5 hrs
Algebra 2A	10-12	1	3301	Passing grade in Geometry	Homework daily (10-30 minutes)	4-5 hrs	none
Algebra 2B	10-12	2	3302			Homework daily (10-30 minutes)	4-5 hrs
Honors Algebra 2 A	9-10	1	3310	Honors Geometry above 85% Teacher recomm	Homework nightly (20-40 minutes)	4-6 hrs	none
Honors Algebra 2 B	9-10	2	3311			Homework nightly (20-40 minutes)	4-6 hrs
Quantitative Literacy A	12	1	3121	Algebra 2 w /D or E	Mathematical Decision Making and Financial Literacy	2-5 hrs	none
Quantitative Literacy B	12	2	3122	Seniors only	Homework nightly (10-20 minutes); 1 project each quarter (1-3 hrs)	2-5 hrs	none
Business Math A	11-12	1	4157	Algebra 2	Business record keeping and analysis, computer integrated, project oriented	1-3 hrs	none
Business Math B	11-12	2	4159	Algebra 2	Same as above	1-3 hrs	none
Precalculus A	11-12	1	3489	Algebra 2 (Gr A or B)	Homework daily (15-60 minutes); Short term projects;	4-6 hrs	none
Precalculus B	11-12	2	3490			4-6 hrs	none
Honors Precalculus A	10-12	1	3350	Hon Alg 2 B+ and Teacher recomm	Homework daily (20-60 minutes); Journals each week (about 1 hr);	4-8 hrs	none
Honors Precalculus B	10-12	2	3351			4-8 hrs	none
AP Calculus AB (AP) A	11-12	1	3452	Precal (Gr A) and H Precal C and Teacher recomm	Homework daily (30-60 minutes); journals weekly (1hr); review-AP Test fee;	4-8 hrs	none
AP Calculus AB (AP) B	11-12	2	3453			4-8 hrs	none
AP Calculus BC (AP) A	11-12	1	3491	H Precal B+ and Teacher recomm	Homework daily (30-60 minutes); journals weekly (1hr); review- AP Test fee;	4-8 hrs	none
AP Calculus BC (AP) B	11-12	2	3492			4-8 hrs	none
Calculus w/ App A (honors)	12	1	3356	Precalculus (Gr B or higher)	Homework daily (10-30 minutes); long and short term projects;	3-5 hrs	none
Calculus w/ App B (honors)	12	2	3357			3-5 hrs	none
Statistics & Math Modeling A	11-12	1	3322	Passing Grade in Algebra 2	Homework daily (20-40 minutes); long and short term projects;	2-5 hrs	none
Statistics & Math Modeling B	11-12	2	3323			3-5 hrs	none
Statistics (AP) A	11-12	1	3320	Precalc (Gr A) Hon Precal (C+)	HW daily (30-60 minutes) review sessions AP test, monthly long-term projects (6 hrs)	4-8 hrs	none
Statistics (AP) B	11-12	2	3321			4-8 hrs	none
Multivariable Calculus	11-12	1	3048	AP Calc BC or AB Multivariable Calc	HW daily(30-60 min);Journals wkly(about 1hr)	4-8 hrs	none
Differential Equations	11-12	2	3049			HW daily(30-60 min);Journals wkly(about 1hr)	4-8 hrs

Honors or On Level? On Level courses are designed to prepare students for any 2 or 4 year college programs and/or any post-secondary technical/military training program. These rigorous courses will prepare students for a science or math based college major and/or career if so desired. **Honors courses are taught at an accelerated pace and/or include more depth and breadth of topics when compared to the On Level courses.**

# Music Department

ALL COURSES MEET FINE ARTS REQUIREMENT

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
<b>Chorus 1A</b> ✓	9	1	6711	None	Concerts required for both semesters	1 hr	None
<b>Chorus 1B</b> ✓	9	2	6712	Chorus 1A	Concerts required for both semesters	1 hr	None
<b>Chorus 2A</b> ✓	10-12	1	6721	Chorus 1 A&B	Concerts required for both semesters	1 hr	None
<b>Chorus 2B</b> ✓	10-12	2	6722	Chorus 1 A&B	Concerts required for both semesters	1 hr	None
<b>Chamber Singers A (Honors)</b> ✓	10-12	1	6743	Audition required/	Numerous concerts required & outside music	2 hrs	\$5/Sem
<b>Chamber Singers B (Honors)</b> ✓	10-12	2	6744	Signature required	activities 1 paper per semester	2 hrs	\$5/Sem
<b>Musical Theatre Troupe A</b> ✓	10-12	1	6904	By audition only	Multiple performance activities / 1 large	2 hrs	None
<b>Musical Theatre Troupe B</b> ✓	10-12	2	6905	By audition only	production required each semester	2 hrs	None
<b>Rock 101</b> ✓	9-12	1	6565	None	6-8 Individual and group projects	2 hrs	None
<b>Rock 102</b> ✓	9-12	2	6566	None	6-8 Individual and group projects	2 hrs	None
<b>Music Theory (AP) A</b> ✓	10-12	1	6547	1 yr vocal or instrumental musical experience recommended	Multiple tests/composition projects/AP Tests	5 hrs	None
<b>Music Theory (AP) B</b> ✓	10-12	2	6548	Music Theory (AP) A	Multiple tests/composition projects/AP Tests	5 hrs	None
<b>Guitar 1A</b> ✓	9-12	1	6585	None	10 lessons per grading period	None	None
<b>Guitar 1B</b> ✓	9-12	2	6586	Guitar 1A	10 lessons per grading period	None	None
<b>Guitar 2A</b> ✓	10-12	1	6591	Guitar 1 Skill Level	10 lessons per grading period	None	None
<b>Guitar 2B</b> ✓	10-12	2	6592	Guitar 1 Skill Level	10 lessons per grading period	None	None
<b>Concert Band A</b> ✓ (Brass & Percussion)	9-12	1	6821	MCPS adv band level skills	Concerts required	3 hrs	\$5/Sem
<b>Concert Band B</b> ✓ (Brass & Percussion)	9-12	2	6822	Concert Band A	Concerts required	3 hrs	\$5/Sem
<b>Concert Band A (Woodwind)</b> ✓	9-12	1	682150	MCPS adv band level	Concerts required	3 hrs	\$5/Sem
<b>Concert Band B (Woodwind)</b> ✓	9-12	2	682250	Concert Band A	Concerts required	3 hrs	\$5/Sem
<b>Symphonic Band A (Honors)</b> ✓	10-12	1	6828	MCPS concert band level musical skills	Numerous evening/weekend concerts required	3 hrs	\$5/Sem
<b>Symphonic Band B (Honors)</b> ✓	10-12	2	6829	MCPS concert band level musical skills	Numerous evening/weekend concerts required	3 hrs	\$5/Sem
<b>Concert Orchestra A</b> ✓	9-10	1	6851	MCPS Advance Orchestra skills	Concerts required	3 hrs	\$5/Sem
<b>Concert Orchestra B</b> ✓	9-10	2	6852	Concert Orchestra A	Concerts required	3 hrs	\$5/Sem

## Music Department

ALL COURSES MEET FINE ARTS REQUIREMENT

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
<b>Symphonic Orchestra A(Honors) ✓</b>	9-12	1	6868	Director approval/ Audition required	Concerts required. Students expected to take both semesters	3-5 hrs	\$5/Sem
<b>Symphonic Orchestra B(Honors) ✓</b>	9-12	2	6869	Symphonic Orchestra A	Concerts required. Students expected to take both semesters	3-5 hrs	\$5/Sem
<b>Chamber Orchestra A (Honors) ✓</b>	10-12	1	686810	Director approval/ Audition Required	Numerous concerts required. Students expected to take both semesters	3-5 hrs	\$5/Sem
<b>Chamber Orchestra B (Honors) ✓</b>	10-12	2	686910	Chamber Orchestra A	Numerous concerts required. Students expected to take both semesters	3-5 hrs	\$5/Sem
<b>Jazz Ensemble A (Honors) ✓</b>	9-12	1	6873	Director Approval/ Audition	Concerts Required. Students expected to take both semesters.	3-5 hrs	\$5/Sem
<b>Jazz Ensemble B (Honors) ✓</b>	9-12	2	6874	Director Approval/ Audition		3-5 hrs	\$5/Sem

## Physical Education Department

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
Principles of Physical Education A	9	1	7720	None	Fitness testing, notebook/journal	None	
Principles of Physical Education B	9	2	7721	None	Fitness testing, notebook/journal	None	
Principles of Phys. Education Through Dance A	9	1	772010	None	Fitness testing, notebook/journal	1 hr	
Principles of Phys. Education Through Dance B	9	2	772120	None	Fitness testing, notebook/journal	1hr	
Principles of P.E. Aerobics/Body Sculpting A	9	1	772030	None	Fitness Journal	1 hr	
Principles of P.E. Aerobics/Body Sculpting B	9	2	772140	None	Exercise Routine	1 hr	
Beginning Weight Training A	*9-12	1	772351	Prin. P.E.	Lifting log, muscle ID quiz	None	
Beginning Weight Training B	9-12	2	772352	BWT A	Lifting log, muscle ID quiz	None	
Advanced Weight Training A	*9-12	1	772353	BWT A&B	Lifting & nutrition log, muscle ID quiz	None	
Advanced Weight Training B	9-12	2	772354	AWT A	Lifting & nutrition log, muscle ID quiz	None	
Net Games A (Tennis, Volleyball, Badminton, T Tennis)	*9-12	1	772210	Prin. P.E.	Skill performance activities in class	None	
Net Games B	9-12	2	772212	Prin. P.E.	Skill performance activities in class	None	
Aerobics/Fitness/Body Sculpting A	*9-12	1	772371	Prin. P.E.	Fitness report, exercise routine	1 hr	
Aerobics/Fitness/Body Sculpting B	9-12	2	772372	Aerobics/Fitness/Body Sculpting A	Fitness report, exercise routine	1 hr	
Team Games A (Football, Soccer, Team Handball, Field & Floor Hockey)	*9-12	1	772220	Prin. P.E.	Skill performance activities in class	None	
Team Games B	9-12	2	772222	Prin. P.E.	Skill performance activities in class	None	
Soccer A	*9-12	1	772361	Prin. P.E.	Skill performance activities in class	None	
Soccer B	9-12	2	772362	Prin. P.E.	Skill performance activities in class	None	
Basketball-Boys and Girls A	*9-12	1	772320	Prin. P.E.	Skill performance activities in class	None	
Basketball-Boys and Girls B	9-12	2	772322	Prin. P.E.	Skill performance activities in class	None	
Adv Basketball A	*9-12	1	772323	Basketball A/B	Skills performance activities in class	1 hr	
Adv Basketball B	9-12	2	772324	Adv Basketball A	Skills performance activities in class	1 hr	
Relaxation, Stretch, Yoga A	*9-12	1	772355	Prin. P.E.	In-class projects	1 hr	
Relaxation, Stretch, Yoga B	9-12	2	772356	Prin. P.E.	In-class projects	1 hr	
Beginning Dance/ Intermediate Dance 1A✓	*9-12	1	772331	Prin. P.E.	Bio/Critique	1 hr	
Beginning Dance/ Intermediate Dance 1B✓	9-12	2	772335	Prin. P.E.	Bio/Critique	1 hr	
Specialty Football B	*9-12	2	772315	Prin. P.E.	Skills performance activities in class	1 hr	
Dance Company A	*9-12	1	772345	1/2 credit Dance	Bio/Critique	1 hr	
Dance Company B	9-12	2	772346	1/2 credit Dance	Bio/Critique	1 hr	
Dance for the Athlete A	*9-12	1	772370	Prin. P.E.	In-class projects	1hr	
Dance for the Athlete B	9-12	2	772375	Prin. P.E.	In-class projects	1hr	
<b>THIS COURSE MEETS THE FINE ARTS REQUIREMENT</b>							
Dance as a Fine Art A✓	*9-12	1	6017	1/2 credit Dance	2 Bio / Presentation 2 Dance	2 hr	
Dance as a Fine Art B✓	9-12	2	6018	1/2 credit Dance	Critiques	2 hr	

**IMPORTANT: COURSES MARKED WITH ASTERISK. \* 9<sup>TH</sup> GRADERS CAN ONLY TAKE THE SECOND SEMESTER OF THE COURSE.**

See next page for course descriptions.

# Physical Education Department

## COURSE DESCRIPTIONS

### **Specialty Basketball – 772320-772322**

Emphasis is placed on developing skills such as: passing, shooting, dribbling, rebounding, defense, ball handling, and pivoting. Through tournament and league play, students will receive instruction on offensive and defensive strategies. These will include: man-to-man defense, zone defense, attacking the zone offense, the motion offense, full court press, breaking the press and fast break situations

### **Specialty Football – 772315**

This class will explore everything that is American Football. Emphasis will be placed on developing knowledge of the fundamentals of the game. Through 7 on 7 tournament and league play, students will receive instruction on offensive and defensive strategies. Students will also learn the rich history and tradition of football.

**Fundamentals of Soccer – 772361-772362** This specialty area physical education class will focus on the technical, tactical, and fundamental aspects of the world's most popular sport. Students will have the opportunity to develop and enhance skills such as trapping, dribbling, passing, finishing, defending opposing players, moving off the ball, strategic situational play, etc on a daily basis. Small sided and full field games will be used to reinforce the daily and weekly points of emphasis. The "Sport Education" model will also be a part of this curriculum.

### **Beginning Weight Training – 772351-772352**

This class is designed as an introduction to resistance training. Students will not only learn what exercises are best for developing strength but also the how and why of each of the exercises introduced. Proper form and movement patterns are taught and reinforced throughout the semester. Students are also instructed on proper recovery methods as well as proper nutrition to fuel strength gains

### **Advanced Weight Training – 772353-772354**

This class is designed as a continuation to beginning weight training. As a result of taking this class students will be able to: determine their current fitness and strength levels, identify the major muscle groups and their functions, demonstrate knowledge of the physiology involved in the muscle building process, Analyze various performance enhancing products and their effects on the body, establish realistic short and long term fitness and strength goals, develop and maintain a program based on those goals, and understand the powerful role nutrition plays in muscular development. **Students enrolling in this class must have completed beginning weight training or have prior approval from instructor.**

### **Aerobics/Body Sculpting – 772371-772372**

Students will participate in strength, flexibility, and endurance activities. They will learn to calculate and monitor heart rate, BMI, and strength levels. Students will also learn the fundamentals of a sound nutrition plan. Activities will include but are not limited to step aerobics, hi-lo aerobics, body sculpting, weight training, and conditioning exercises. Proper form will be emphasized for maximum benefit and maximum safety. This course will benefit those interested in their own personal health and fitness.

### **Team Games – 772220-772222**

Students will have the opportunity to participate and improve their skills in a variety of sports including but not limited to, flag football, basketball, volleyball, floor hockey, ultimate Frisbee, and soccer. The class will consist of individual skill work sessions, as well as class tournaments.

### **Yoga/Stretching – 772355-772356**

Students in this course will develop an understanding of the physical aspects of basic Yoga exercises and how these can help one attain a healthy life style. Students will develop strength, flexibility, coordination, balance, and learn how to utilize a variety of stress relieving activities in their daily lives.

### **Intermediate/Advanced Dance – 772341-772342**

Students in this course will perform intermediate and advanced dance technique in Jazz, Tap, and Modern Dance styles. Students will be introduced to movement involving multiple turns and more advanced jumps and leaps. Students will also learn the basic principals of choreography and have an opportunity to create original dances.

### **Net Games – 772210-772212**

Students will be instructed in the fundamental skills necessary to participate in the net sports of tennis, volleyball and badminton.

### **Principles of Physical Education 772000-772100**

Students in this class will strive to become a physically educated person, as defined by state and national standards, through the acquisition of knowledge and skills that are the foundation for engaging in physical activity. Students will explore sport through games and learn to solve tactical problems that will help them to improve enjoyment and skill in various sports.

### **Principals of Physical Education through Dance - 772010-772120**

Students will explore a variety of dance styles including, jazz, modern, tap and hip hop while experiencing and analyzing the principals of physical fitness necessary to maintain a healthy life style. Students will define their personal fitness goals and will gain the knowledge on how to achieve and maintain them through dance. There will be dance performance opportunities for interested students.

### **Dance for the Athlete**

Course Description: Athletes will be able use dance as a way to improve their balance, coordination, and flexibility. Movements are designed to strengthen and tone the core, an essential aspect in all sports. Students will learn step patterns to develop agility, fast foot work, and speed. The class offers a range of techniques to improve fluidity of movement and prevent injury on and off the field.

### **Dance Company 772341-772342**

Pre Requisite: Previous or current dance experience, or at least one semester of dance.

Course Description: Students will improve dance technique skills while learning choreographed dances. Students will also have the opportunity to create original choreography. Choreographed dances will be performed at Montgomery College and at Wootton cluster schools.

# Science Department

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
Matter and Energy A	9	1	3749	None	Homework, 1-2 lab reports weekly	2-4 hrs	
Matter and Energy B	9	2	3750	None	Homework, 1-2 lab reports weekly	2-4 hrs	
Matter and Energy A (Honors)	9	1	3764	Algebra 1 <b>(H)</b>	Homework, 1-2 lab reports weekly	4 hrs	
Matter and Energy B (Honors)	9	2	3765	Algebra 1 <b>(H)</b>	Homework, 1-2 lab reports weekly	4 hrs	
Biology 1A	10-12	1	3631	M&E B or Chemistry <b>(CR)</b>	Homework, Lab Activities, Scientific Readings, (see *Dissection notice)	4 hrs	
Biology 1B	10-12	2	3632	Biology 1A	(see *Dissection notice)	4 hrs	
Biology 1A (Honors)	10	1	3621	M&E B or Chemistry <b>(CR)</b>	Homework, 1-2 labs wkly (see *Dissection notice)	5 hrs	
Biology 1B (Honors)	10	2	3622	Biology 1A	(see *Dissection notice)	5 hrs	
Molecular Biology A (SP)	11-12	1	3657	Biology <b>(P)</b> / Chemistry <b>(CR)</b>	Designated Honors Course. Homework, lab reports, projects	5 hrs	
Molecular Biology B (SP)	11-12	2	3658	Molecular Biology A	Topics-Genetic issues, bioethics, biotech, etc.	5 hrs	
Chemistry 1A	10-12	1	3721	Geometry <b>(P)</b>	Homework, labs, problem solving	3-4 hrs	
Chemistry 1B	10-12	2	3722	Chemistry 1A	Homework, labs, problem solving	3-4 hrs	
Chemistry 1A (Honors)	9-12	1	3711	Geometry <b>(P)</b>	Homework, 1-2 labs wkly, problem solving	4-5 hrs	
Chemistry 1B (Honors)	9-12	2	3712	Chemistry 1A	Homework, 1-2 labs wkly, problem solving	4-5 hrs	
Chemistry (AP) A (DP)	10-12	1	3751	Chemistry&Alg2 <b>(P)</b>	Homework, lab reports, AP exam	6-8 hrs	
Chemistry (AP) B (DP)	10-12	2	3752	Chemistry (AP) A	Homework, lab reports, AP exam	6-8 hrs	
Biology (AP) A (DP)	11-12	1	3651	Biology <b>(P)</b> / Chemistry <b>(CR)</b>	AP project, AP exam, reading assignments, AP labs w/quizzes	6-8 hrs	
Biology (AP) B (DP)	11-12	2	3652	Biology <b>(P)</b> / Chemistry <b>(CR)</b>	(see *Dissection notice)	6-8 hrs	
Anatomy & Physiology A	11-12	1	3761	Biology A/B <b>(P)</b> / Chemistry <b>(CR)</b>	Designated Honors Course. Homework, project, animal dissection required	4-6 hrs	
Anatomy & Physiology B	11-12	2	3762	Human Anatomy & Physiology A	(see *Dissection Notice)	4-6 hrs	
Astronomy A	11-12	1	3856	None	Homework, Project, Lab Reports	3-4 hrs	
Astronomy B	11-12	2	3857	None	Homework, Project, Lab Reports	3-4 hrs	
Environmental Science (AP) A	11-12	1	3659	Biology <b>(P)</b> / Chemistry <b>(P/CR)</b>	Students must block out a lunch period for extended lab assignments; AP exam required	2-4 hrs	
Environmental Science (AP) B	11-12	2	3660	Environmental Science (AP) A	Students must block out a lunch period for extended lab assignments; AP exam required	2-4 hrs	
Environmental Science A	10	1	3661	Biology <b>(CR)</b>	Enrollment by Teacher Recommend. Only	2-3 hrs	
Environmental Science B	10	2	3662	Environmental Sci A	(Requires Co-enrollment in Biology)	2-3 hrs	

FOR THE PREREQUISITE COLUMN **H**=(HIGHLY RECOMMENDED) **P**=(PREREQUISITE) **CR**=(CO-REQUISITE)

\*Dissection Notice: Dissection is one of many instructional methods that may be used in Biology and AP Biology. Students may request from the teacher alternatives to dissection in Biology and AP Biology. Alternatives may include such materials as videos, computer programs, films, filmstrips, models, transparencies, charts, diagrams, and textbook overlays. Dissections are required in Anatomy and Physiology and alternatives to this course include AP Biology and other advanced level science courses.

**Honors or On Level? Honors courses in Science involve more in-depth material, and a more rapid pace.**

# Science Department

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
Engineering Science A	11-12	1	3609	Physics <b>(CR)</b>	Designated Honors Course, Project based	2-3 hrs	
Engineering Science B	11-12	2	3610	Engineering Science A		2-3 hrs	
Horticulture Science A	11-12	1	3671	None	Several projects/semester. Active participation in outdoor/ greenhouse activities required	1 hr	\$5/yr
Horticulture Science B	11-12	2	3672	None		1 hr	\$5/yr
Nutrition Science A	11-12	1	3560	Biology <b>(P)</b>	Homework, Quizzes/Tests; 1 Food Preparation lab per chapter	2 hrs	\$15/yr
Nutrition Science B	11-12	2	3561	Biology <b>(P)</b>		2 hrs	\$15/yr
Nutrition Science A (Honors)	11-12	1	3562	Biology & Chemistry <b>(P)</b>	Homework, Quizzes/Tests; Foods Labs & Monthly Projects out of class	3 hrs	\$15/yr
Nutrition Science B (Honors)	11-12	2	3563	Biology & Chemistry <b>(P)</b>	Homework, Quizzes/Tests; Foods Labs & Monthly Projects out of class	3 hrs	\$15/yr
Physics 1A	10-12	1	3831	Algebra 2 <b>(CR)</b>	Homework, problem solving lab reports	3 hrs	
Physics 1B	10-12	2	3832	Physics 1A	workbook purchase	3 hrs	
Physics 1A (Honors)	10-12	1	3821	Algebra 2 <b>(CR)</b>	Homework, Engineering/Physics Projects, lab reports	4 hrs	
Physics1B (Honors)	10-12	2	3822	Physics 1A		4 hrs	
Physics (AP) A (SP)	11-12	1	3841	Physics <b>(P)</b> / Calculus <b>(CR)</b>	Daily problems & Assigned Reading	4-5 hrs	
Physics (AP) B (SP)	11-12	2	3842	Physics (AP) A	AP exam required	4-5 hrs	
Physics (AP) A (DP)	11-12	1	3851	Physics <b>(P)</b> / Calculus <b>(CR)</b>	Daily problems & Assignment Reading	2-4 hrs	
Physics (AP) B (DP)	11-12	2	3852	Physics (AP) A	AP exam required	2-4 hrs	
Internship A (Science) (SP)	11-12	1	3511	Application packet required	End of semester presentation/students supply own transportation / weekly time sheet & reflection	1 hr	
Internship B (Science) (SP)	11-12	2	3512			1 hr	
Internship A (Science) (DP)	11-12	1	3521	Application packet required	End of semester presentation/students supply own transportation / weekly time sheet & reflection	1 hr	
Internship B (Science) (DP)	11-12	2	3522			1 hr	
Forensic Science A	11-12	1	3864	Biology <b>(CR)</b> / Chemistry <b>(CR)</b>	<b>For both semesters:</b> Designated Honors class. Hands-on investigations Using Biology, Chemistry, & Physics concepts.	2-3 hrs	
Forensic Science B	11-12	2	3865	Forensic Science A	Group and Individual Projects, Weekly Quiz, Tests every 2-3 weeks	2-3 hrs	
Research Project	10-12	1 or 2	804122	Biology <b>(CR)</b> / Chemistry <b>(CR)</b>	Independent Research Project – Not recommended for 2 <sup>nd</sup> semester Seniors	2-4 hrs	

FOR THE PREREQUISITE COLUMN H=(HIGHLY RECOMMENDED) P=(PREREQUISITE) CR=(CO-REQUISITE)

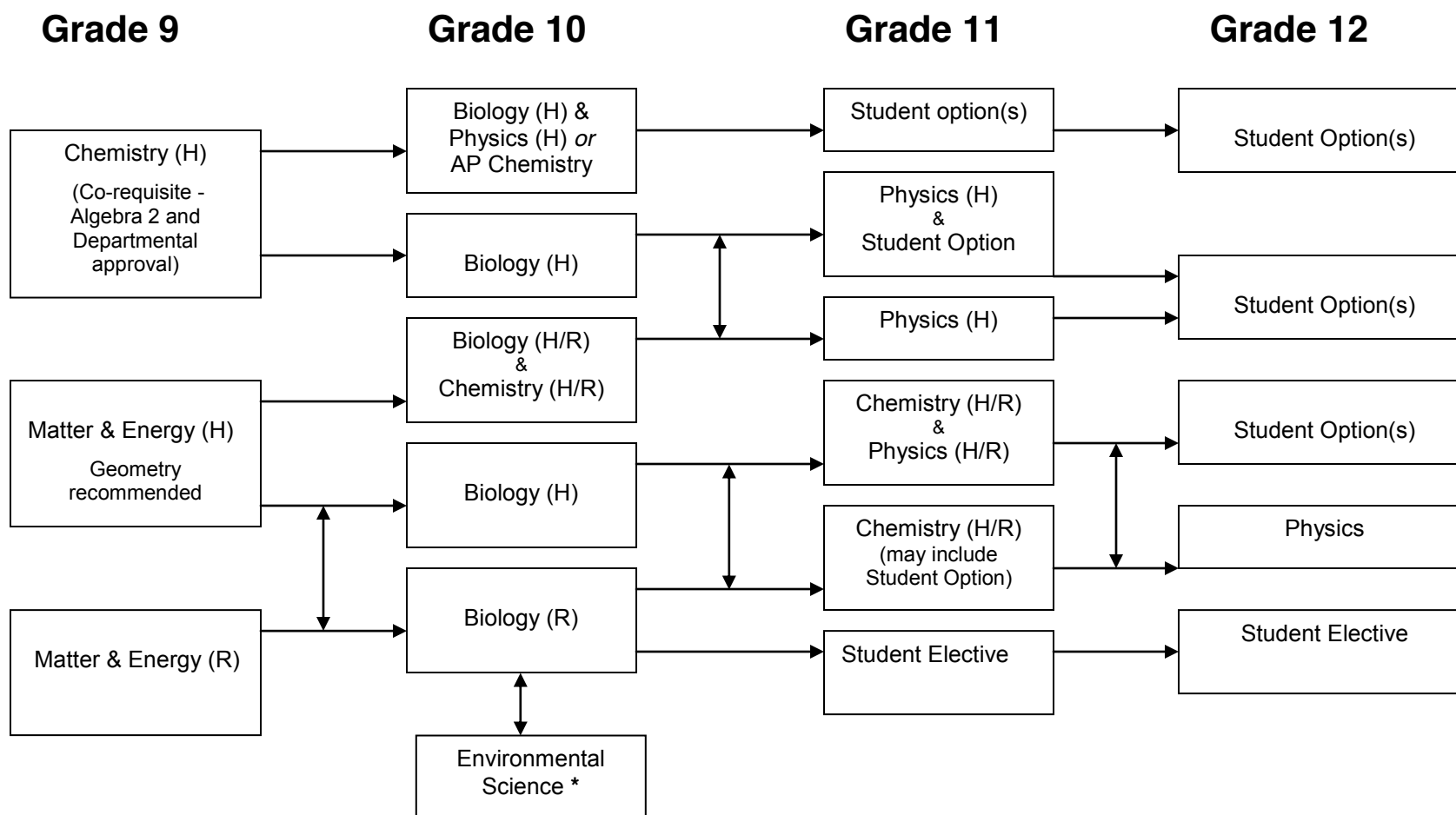
### Dissection Notice

Dissection is one of many instructional methods that may be used in Biology and AP Biology. Students may request from the teacher alternatives to dissection in Biology and AP Biology. Alternatives may include such materials as videos, computer programs, films, filmstrips, models, transparencies, charts, diagrams, and textbook overlays. Dissections are required in Anatomy and Physiology and alternatives to this course include AP Biology and other advanced level science courses.

### Honors or On Level? Honors courses in Science involve more in-depth material, and a more rapid pace.

State of Maryland requires 3 science credits for graduation that must include 1 physical science (Matter and Energy, Chemistry, Physics, or Astronomy), 1 Biology Credit and 1 other credit of student's choice.

## Science Sequences



R – On level/ Pre-AP  
H - Honors level

**Upper Level Options include:** AP Biology (2 credits), AP Chemistry (2 credits), AP Environmental Science (1 credit), AP Physics (1or 2 credits), Engineering Science♦, Human Anatomy and Physiology♦, Molecular Biology♦, Astronomy♦ /Oceanography, Science Internship.

**Additional Options:** Earth Science, Horticulture, Nutrition Science, Forensic Science, Research Design.

♦Designated honors.

\*Enrollment by teacher recommendation only.

## SOCIAL STUDIES DEPARTMENT

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WKLY STUDY HR(s) (Approx)	FEES
U.S. History A	9	1	2110	None	In class essays,	1-3 hrs	
U.S. History B	9	2	2112	None	weekly reading assignments	1-3 hrs	
U.S. History A (Honors)	9	1	2111	None	In class essays,	2-4 hrs	
U.S. History B (Honors)	9	2	2113	None	weekly reading assignments	2-4 hrs	
U.S. History A (Honors) (Hum)	9	1	211166	Limited to Signature	In class essays,	2-4 hrs	
U.S. History B (Honors) (Hum)	9	2	211366	Program students	weekly reading assignments	2-4 hrs	
AP U.S. History A	9 - 12	1	2114	None	*workbook purchase	10-12 hrs	
AP U.S. History B	9 - 12	2	2124	AP U.S. History A	*workbook purchase	10-12 hrs	
AP U.S. History A (Hum)	9 - 12	1	211466	None	*workbook purchase	10-12 hrs	
AP U.S. History B (Hum)	9 - 12	2	212466	AP U.S. History A	*workbook purchase	10-12 hrs	
NSL Government A	10	1	2107	None	In-class essays	1-2 hrs	
NSL Government B	10	2	2108	None	weekly reading assignments	1-2 hrs	
NSL Government A (Honors) (Hum)	10	1	212766	Limited to Signature	Mock Congress Campaign Project	1-3 hrs	
NSL Government B (Honors) (Hum)	10	2	212866	Program students	Ancillary Reading Project	1-3 hrs	
NSL Government A (Honors)	10	1	2127	None	In class essays	1-3 hrs	
NSL Government B (Honors)	10	2	2128	None	In class essays	1-3 hrs	
AP NSL Government A	10	1	2104	None	News Portfolio Project/chapter outlines/	10-12 hrs	
AP NSL Government B	10	2	2105	AP NSL A	Intensive note taking	10-12 hrs	
AP NSL Government A (Humanities)	10	1	210466	None	News Portfolio Project/chapter outlines/	10-12 hrs	
AP NSL Government B (Humanities)	10	2	210566	AP NSL A	Intensive note taking	10-12 hrs	
Modern World History A	11	1	2221	None	Daily note taking	4-5 hrs	
Modern World History B	11	2	2222	None	Reading assignments	4-5 hrs	
Modern World History A (Honors)	11	1	2223	None	Ancillary Readings	4-5 hrs	
Modern World History B (Honors)	11	2	2224	None	In class essays	4-5 hrs	
Modern World History (Humanities) A	11	1	222366	Limited to Signature	Ancillary Readings	4-5hrs	
Modern World History (Humanities) B	11	2	222466	Program students	In class essays	4-5hrs	
AP World History A (Hum)	11	1	224066	Limited to Signature	In class essays/ancillary readings/	8 hrs	
AP World History B (Hum)	11	2	224166	Program students	document based questions	8 hrs	
AP World History A	11	1	2240	None	In class essays/ancillary readings/	8 hrs	
AP World History B	11	2	2241	AP World History A	document based questions	8 hrs	
AP European History A	11-12	1	2216	None	Document based questions/chapter	8 hrs	
AP European History B	11-12	2	2217	AP Euro A	outlines	8 hrs	
AP Human Geography A	11-12	1	2332	None	1 project, 1 field trip	4-6hrs	
AP Human Geography B	11-12	2	2333	AP Human Geo A	1 project, 1 field trip	4-6hrs	

**AP and Honors level courses always involve the use of a higher level textbook. Additionally, reading selections, independent writing assignments, analytical essays, and more in depth projects and presentations occur more frequently. Summative Assessments (tests, quizzes, and essays) are weighted at 60%, Formative Assessments (projects, graded homework, etc) are weighted at 30%, and Homework for Completion, at 10%. In on level classes, the weighted grade distribution is 50%, 40%, and 10%, respectively.**

## SOCIAL STUDIES DEPARTMENT

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/ PROJECTS	WEEKLY STUDY HR(s) Approx	FEES
Comparative Religions	11-12	2	2320	None	Portfolio	3-5 hrs	
AP Comparative Governments and Politics	11-12	1	2132	None	Individual country research, outside projects	8-10 hrs	
AP Comparative Governments and Politics	11-12	2	2145	None	Individual country research, outside projects	8-10 hrs	
Sociology A	11-12	1	2305	None	One project p/semester	1 hr	
Sociology B	11-12	2	2314	Sociology A	One project p/semester	1 hr	
AP Psychology A	11-12	1	2330	None	1 project or paper per unit	4-5 hrs	
AP Psychology B	11-12	2	2331	AP Psychology A			
AP Economics: Microeconomics	11-12	1	2316	None	Project	5-6 hrs	
AP Economics: Macroeconomics	11-12	2	2315	None	Project	5-6 hrs	
Philosophy: Ethics	11-12	1	2311	None	Portfolio	3-5 hrs	
Psychology Internship A	12	1	781377	AP Psych A&B and application required	As required by place of internship	None	
Psychology Internship B	12	2	781677		As required by place of internship	None	
Law I	11-12	1	2312	None	TBD	1-3 hrs	
Law II	11-12	2	2343	Law 1	TBD	1-3 hrs	
Ancient History (Honors)	11-12	1	2558	None	TBD	1-3 hrs	
Medieval History (Honors)	11-12	2	2559	None	TBD	1-3 hrs	
International Human Rights	10-12	1 or 2	2141	None	Projects and portfolio	1-3 hrs	

## Special Education Department

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
Internship for Special Needs Students A	10-12	1	781370	Counselor recomm, Resource signature	course assignment; weekly journal; seminars during school day; final semester project	1-2 hrs	None
Internship for Special Needs Students B	10-12	2	781670	Counselor recomm, Resource signature	course assignment; weekly journal; seminars during school day; final semester project	1-2 hrs	None
Resource A	9-12	1	7933	Recommendation from IEP team	portfolio; weekly progress sheets; class assignments re: study strategies	1.5 hrs	None
Resource B	9-12	2	7934	Recommendation from IEP team	portfolio; weekly progress sheets; class assignments re: study strategies	1.5 hrs	None

## Student Leadership

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
Patriot Ambassadors A	12	1	233930	Sponsor approval	Class meets at various times	None	None
Patriot Ambassadors B	12	1	234030	Sponsor approval	Class meets at various times	None	None
Senior Planning A	12	1	233920	Sponsor approval	Class meets during 5 <sup>th</sup> period	None	None
Senior Planning B	12	2	234020	Sponsor approval	Class meets during 5 <sup>th</sup> period	None	None
Student Government Association A	11-12	1	233910	Sponsor approval	Class meets during 6 <sup>th</sup> period/5 <sup>th</sup> period lunch required	None	None
Student Government Association B	11-12	2	234010	Sponsor approval	Class meets during 6 <sup>th</sup> period/5 <sup>th</sup> period lunch required	None	None

## Technology Education Department

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
Foundations of Technology A (T)	9-11	1	5161	None	Use the design process with math and science principles to solve problems related to technology	2-3 hrs	\$8/sem
Foundations of Technology B (T)	9-11	2	5162	Foundations of Technology A	Use the design process with math and science principles to solve problems related to technology	2-3 hrs	\$8/sem
Introduction to Engineering Design (IED) A (T)	9-11	1	5152	Algebra I	Students develop problem-solving skills, with an emphasis on visualization and communication skills, using a computer and 3-D solid modeling software.	2-3 hrs	\$5/sem
Introduction to Engineering Design (IED) B (T)	9-11	2	5153	IED A	Same as above	2-3 hrs	\$5/sem
Principles of Engineering A (T)	9-11	1	5150	IED or Algebra 1 A/B	Students develop problem-solving skills by tackling real-world engineering problems	2-3 hrs	\$10/sem
Principles of Engineering B (T)	9-11	2	5151	Same as above	Same as above	2-3 hrs	\$10/sem
Designing Technology Solutions A	9-11	1	2812	Geometry A/B Prerequisite or concurrent enrollment	Students are introduced to engineering design and development through software engineering and robotics technology.	2-3 hrs	None
Designing Technology Solutions B	9-11	2	2813	Design Tech A	Same as above	2-3 hrs	None
Micro Technologies Tech Internship A	11-12	1	570610	Network Engineering & Management A	Assist User Support Specialist to maintain School network	None	None
Network Engineering and Management Tech Internship B	11-12	2	570620	Network Engineering & Management B	Assist User Support Specialist to maintain School network	None	None

**Those students who graduate in 2012 or thereafter must take Foundations of Technology, Introduction to Engineering Design, Principles of Engineering or Designing Technology Solutions to fulfill the Maryland state technology credit for graduation.**

## Television Production

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
TV Production 1	9-12	1	7860	None	Videography (for news and narrative prod.)	30 min/wk	
TV Production 2	9-12	2	7862	TV Production 7860	Videography (editing and producing)	30 min/wk	
Morning Announcements A*	10-12	1	781351	TV Internship #781350 & TV Coordinator Approval	Rotating assignments with studio equipment	1 hr/wk	
Morning Announcements B*	10-12	2	781651	TV Internship #781350 & TV Coordinator Approval	Rotating assignments with studio equipment	1 hr/wk	
TV Internship A**	10-12	1	781350	TV Coordinator Approval	Long-term assignment, and assist with TV studio operations	1 hr/wk	
TV Internship B**	10-12	2	781650	TV Internship #781350 & TV Coordinator Approval	Long-term assignment, and assist with TV studio operations	1 hr/wk	

**\* MORNING ANNOUNCEMENTS INTERNSHIP**

This course builds on competencies gained in either Television Production 1 or 2 or the TV Internship. Activities center on the daily production of a live television broadcast. Students will be provided with extensive opportunities to operate all television studio equipment and will perform a variety of roles in support of the Morning Announcements program.

**\*\*TV INTERNSHIP A & B**

This internship introduces students to all aspects of television production, with an emphasis on providing service to the Wootton community. Students will become proficient in the use of Wootton's audio-visual and television equipment in the production of both live and videotaped television productions. Students will learn basic editing and videotaping procedures and will have practical experience with all television studio equipment. In addition to television, students will also have extensive opportunities to gain experience in operating audio-visual equipment in support of various Wootton programs such as assemblies, setting up for guest speakers, etc. Interns will occasionally be assigned written work, such as storyboards and script-writing, in order to contribute to the development of projects.

## Theatre

THE FOLLOWING COURSES MEET THE FINE ARTS REQUIREMENTS

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
<b>Theatre 1A</b> ✓	9-12	1	6926	None	In-class individual and group performance along with Written play-reports/reviews/theatre history projects	2 hrs	None
<b>Theatre 1B</b> ✓	9-12	2	6927	Theatre 1A	Mostly in-class individual and group performance along with written play-reports/reviews/theatre history projects	2 hrs	None
<b>Theatre 2A</b> ✓	10-12	1	6928	Theatre 1A&B	In-class individual and group projects with a quarterly/public performance	2 hrs	None
<b>Theatre 2B</b> ✓	10-12	2	6929	Theatre 2A	Mostly in-class individual and group projects with a quarterly/public performance	2 hrs	None
<b>Advanced Acting</b> ✓	10-12	1or2	6912	Theatre 2	In-class individual and group projects with a quarterly/public performance	2 hrs	None
<b>Technical Theatre (Stage Design)</b> ✓	10-12	1or2	6913	Theatre 2	*Set Building *Lighting *Sound *In-class individual and group projects/public performance	2 hrs	None
<b>Play Directing</b> ✓	10-12	1or2	6914	Theatre 2	In-class individual and group projects along with written play-reports/reviews/public performances	2 hrs	None
<b>Musical Theatre Troupe A</b> ✓	10-12	1	6904	By Audition only	Multiple performance activities	2 hrs	None
<b>Musical Theatre Troupe B</b> ✓	10-12	2	6905	By Audition only	1 large production required each semester	2 hrs	None
<b>Theatre History</b> ✓	10-12	1 or 2	6908	None	In-class individual and group projects No performances	2 hrs	None

# THOMAS EDISON HIGH SCHOOL OF TECHNOLOGY

## Program Offerings \*\*\*

2010-2011

Students may elect to take the first year of a two-year program if they are *not* using the course as a program completer. All TEHST programs offer 1.5 credits per semester. Some courses have prerequisites. Most courses are career development completer programs, but not all (i.e. our Interior Design course is currently an elective). As a general rule, we do not enroll Grade 9 students. Grade 11 and 12 students have program placement priority, except Cosmetology. Students must begin the Cosmetology course as a 10<sup>th</sup> grader. In most other programs, Grade 10 students are typically considered if space is available in the course. Advanced Technology courses are marked with a "\*\*\*". Biotechnology is an advanced level course with science credit and is offered in the PM only. Medical Careers is offered in the PM only. Courses articulated with Montgomery College for college credit are in *italic* type.

<u>Course</u>	<u>Grades</u>	<u>First Year</u>		<u>Second Year</u>	
Foundations of Automotive Technologies (TP)	10-12	504592 1A	504692 1B		
Auto Body Repair Technology (TP)	10-12	555392 1A	555492 1B	555592 2A	555692 2B
<i>Automotive Technology (TP)</i>	10-12	506192 1A	506292 1B	506792 2A*	506892 2B*
<i>Biotechnology w/ Science credit &amp; Adv Level (DP)</i>	11-12	386792 1A	386892 1B	386992 A (SP)	386992 B (SP)
<i>Special Topics in Biotechnology w/ Adv Level (SP)</i>		387192 1A	387292 1B	<i>(Biotech internship required for pc)**</i>	
Cosmetology (3 year program)	10-12	558392 1A (TP)	558492 1B (DP)	564392 2A (DP)	564492 2B (DP)
Related Math A #			323192 A (SP)		
Applied Science				361592 2A (SP)	361692 2B (SP)
	<u>Third Year</u>	558792 3A (TP)	558892 3B (DP)		
Related Math B #			323292 B (SP)		
# Students who have already taken Related Math may be scheduled instead for Maps A / Maps B ---- 311392 (SP) / 311492 (SP)					
<i>Principles of Architecture (TP)</i> <i>and CAD Technology (Drafting)</i>	11-12	510392 1A	510492 1B	510692 2A*	510792 2B*
<i>Print Technologies &amp; Digital Graphics (TP)</i>	11-12	511892 1A	511992 1B	512192 2A*	512292 2B*
Academy of Hospitality and Tourism (SP)	11-12	539892 1A	539992 1B	572092 1A	572092 1B (SP)
Hospitality for Academy of Hospitality/Tourism (SP)		540192 1A		<i>(AOHT internship required for pc)**</i>	
Systems for Academy of Hospitality/Tourism/			540292 1B		
Travel Geography for Academy of Hospitality/Tourism (SP)		540392 1A	540792 1B		
<i>Foundations of Building (TP)</i> <i>and Construction Technologies</i>	10-12	556192 1A	556292 1B		
<i>Carpentry (TP)</i>	10-12	510092 1A	510192 1B	563992 2A	564092 2B
<i>Heating/Air Conditioning (TP)</i>	10-12	512392 1A	512992 1B	512792 2A*	512892 2B*
<i>Masonry (TP)</i>	10-12	556792 1A	556892 1B	556592 2A	556692 2B
<i>Electricity (Construction) (TP)</i>	10-12	510992 1A	511092 1B	559592 2A*	559692 2B*
<i>Plumbing (TP)</i>	10-12	560792 1A	560892 1B	560592 2A	560692 2B
<i>Medical Careers (DP)</i>	11-12	583392 1A	583492 1B	541592 1A	541592 (SP) 1B
<i>Science (SP)</i>		399592 1A	399692 1B	<i>(Medical internship req'd for pc)**</i>	
Nail Technology (TP)	11-12	567192 1A	567292 1B		
<i>Network Operations (TP)</i>	11-12	420292 1A*	420392 1B*		
<i>Professional Restaurant Mgmt. (TP)</i>	11-12	483492 1A	483592 1B	483792 2A	483892 2B
Interior Design (TP)	10-12	478592	464592	281492	281592
		478692	464692	481192	481292
		539492	539592	480592	480692

**\*\*Students in Biotechnology or Medical Careers who aren't interested in the required 1.0 internship can pursue 1.0 credit AP Bio or AP Chem at their homeschool to complete the requirements for a program completer. \*\***

\*\*\* As of 11/9/09

## Program Specific OJT / Internship Codes

Single Period, .5 credits, repeatable (unlimited)

Architecture & CAD Technology	570792	
Auto Body	570292	
Auto Technology	570392	
Carpentry	570592	
Electricity	570892	
Graphics Art Media	571792	
Heating, Ventilation, & A/C	571192	
Masonry	571492	
Nail Technology	481692	
Network Operations	418792	
Plumbing	571692	
Prof Rest Mgmt	781392 (1A)	7816 92(1B)
Academy of Hospitality (NAF Intern)	572092 (1A & 1B)	
Medical Careers Internship	541592 (1A & 1B)	

Double Period, 1.0 credit, repeatable (unlimited)

Foundations of Automotive Technology		570192 (1A & 1B)
Prof. Rest. Mgmt. Internship (DP)	781892 (1A)	781992 (1B)

Triple Period, 1.5 credit repeatable (unlimited)

Prof. Rest. Mgmt. Internship (TP)	782292 (1A)	782392 (1B)
-----------------------------------	-------------	-------------

Guided Research, .5 credits,

Biotech Guided Research (SP) no repeats for credit	387592 (1A)	387692(1B)
Network Operations Guided Research (SP)	418892	

### EDISON SSL HOURS 09-10

*Automatic w/ Passing Grade*

15 per semester

10 per semester

Auto Technology  
Foundations of Auto Tech (ASAP)  
Auto Body  
Carpentry  
Electricity  
Graphics  
HVAC  
Plumbing  
Masonry  
Network Operations  
Restaurant Management  
Hospitality and Tourism – Hotel/Travel

Medical Careers

### Other - Automatic

Cosmetology – 70 SSL total for 3 years broken down as follows:

Year 1 - 15 for S1 and 10 for S2, Year 2 – 10 for S1 and 10 for S2, Year 3 – 15 for S1 and 10 for S2

Interior Design – 10 SSL in first semester only

**PLEASE NOTE:** Students in Foundations of Building and Construction, Nails, Architecture/Drafting, Biotechnology, and OJT / Internship will NOT receive automatic SSL hours. Students are responsible to complete MCPS Form 560-51 “MCPS Student Service Learning Verification Form” and submit it to their Edison teacher. Once completed by their Edison teacher, students are responsible to submit MCPS Form 560-51 to their home school service learning coordinator.

\*\*\* As of 6/18/09

# INTERNSHIP OPPORTUNITIES

# INTERNSHIP OPPORTUNITIES

## Wootton High School

### **What is An Internship?**

"Internship" is a MCPS course designed as a career-focused program in research, business, education, law, government, technology, medicine, or social services. Students have opportunities to explore and clarify personal career interests and link school to work. Internships enable students to

- recognize how personal skills and talents fit into a career environment
- form accurate perspectives of what skills and education are needed to be successfully employed and get promoted
- apply academic learning to practical situations and bring new perspectives back to the classroom
- develop effective interpersonal skills for the workplace

### **When Can Students Take Internships?**

Internships are available during both semesters and are usually taken during the student's senior year. In special cases juniors may be allowed to take an internship. Internships can be scheduled for triple, double and single periods depending on the specific program.

### **What Should Students Consider When Planning For An Internship?**

Students and parents should consider the following questions.

- How many periods can I devote to an internship?
- What extracurricular activities might conflict with my internship schedule?
- Can I maintain an excellent attendance record at school and the workplace?
- Am I expecting to work hard and demonstrate a willingness to learn new skills?
- Am I self-disciplined enough to meet project deadlines, complete paperwork, follow procedures, communicate with the intern coordinator, and attend scheduled meetings?
- Can I provide my own transportation or use public transportation to commute to my internship site? Most internships are not paid; interns must assume the expense of commuting. Parking spaces are NOT guaranteed. The assignment of parking spaces will give preference to carpools and completed application.

### **What Are The Internship Course Requirements?**

Interns will be evaluated by the coordinator using a variety of instruments. The course grade is based on the following: coordinator site visit, completed intern assignments, the number of hours completed at the workplace, evaluation by mentor/site supervisor, intern produced reports, portfolios, and oral presentations. All interns must attend orientation seminars at the beginning of each semester and periodically throughout the semester.

### **How Many Hours At the Site Is Required (Out of Building Internships)?**

To satisfy MCPS requirements and receive course credit for an internship, the student must commit to scheduled weekly hours during the school day throughout the semester. For each period registered for internship, the student must complete a minimum of 75 hours per semester at the site. For a double period internship students need approximately 75 hours per quarter to meet the 150 semester hour requirement. Time spent commuting to and from the site is not included. Attendance is recorded at school and at the work site. Interns are also responsible for maintaining a weekly log signed by the site supervisor. Logs are to be submitted weekly to the coordinator.

### **What Is Expected Of An Intern?**

Interns will be working in a professional setting and are expected to act professionally. The intern is expected to be punctual, to work hard, to act responsibly, to maintain confidentiality, and to dress appropriately throughout the internship experience. When determining an internship program, a prospective intern needs to evaluate his/her strengths and talents, interests and goals that can be offered to a prospective mentor through a professional resume. Placement procedures vary for each internship program. Students must clarify with the coordinator the established policies and procedures before any search begins. Final approval of the site rests with the intern coordinator.

### **What Must Be Considered About The Site (Out of the Building Internships)?**

The following must be considered when searching for an appropriate internship site:

- Work permits are required for interns under 18 years old.
- Some sites require interns to be American citizens and/or over 16 years old
- The intern must be supervised by an adult at all times.
- The site must have at least two adult employees.
- The site cannot be located in a private home and must be a safe work environment.
- Interns may NOT routinely drive as part of the job, open or close the business without adult supervision, transport money, perform work that requires strenuous lifting, work in or around motor vehicles or with heavy equipment.
- Internships may NOT be primarily clerical type duties.

### **How Can I Apply?**

- Attend the Internship Information Session prior to registration. This will be held during all lunches on January 6, 2010.
- Select an Internship Program
- Complete the **common** internship application and return it to Mrs. Sander by January 27, 2010.
- When contacted by the coordinator, complete the program-specific application and submit it to the intern coordinator.
- Once the application is submitted and approved, the intern coordinator will sign your course registration card.

**What If I have More Questions?** Contact the specific program coordinators.

#### **Out-of-School Sites:**

Business/Law/Technology	Mrs. Noelle Gray	Room 109	301-279-8583
Education	Mrs. Sue Thorpe	Room 42	301-279-8581
Family & Consumer Science	Mrs. Sue Thorpe	Room 42	301-279-8581
Psychology	Dr. Marie Smith	Room 154	301-279-8591
Science	Mrs. Lesli Adler	Room 208	301-517-8136

#### **In-School Opportunities:**

Microcomputer Technologies Internship	Mrs. Monica Matthey	Room 15	301-279-8577
Education	Mrs. Sue Thorpe	Room 42	301-279-8581
Science	Mrs. Lesli Adler	Room 208	301-517-8136
Special Education	Ms. JeanMarie Joseph	Room 169	301-279-8455
TV Internship	Mr. Kenny Jacobs	Room 102F	301-279-8564
Writing Center	Ms. Kimberly Boldon	Room 242	301-279-8584



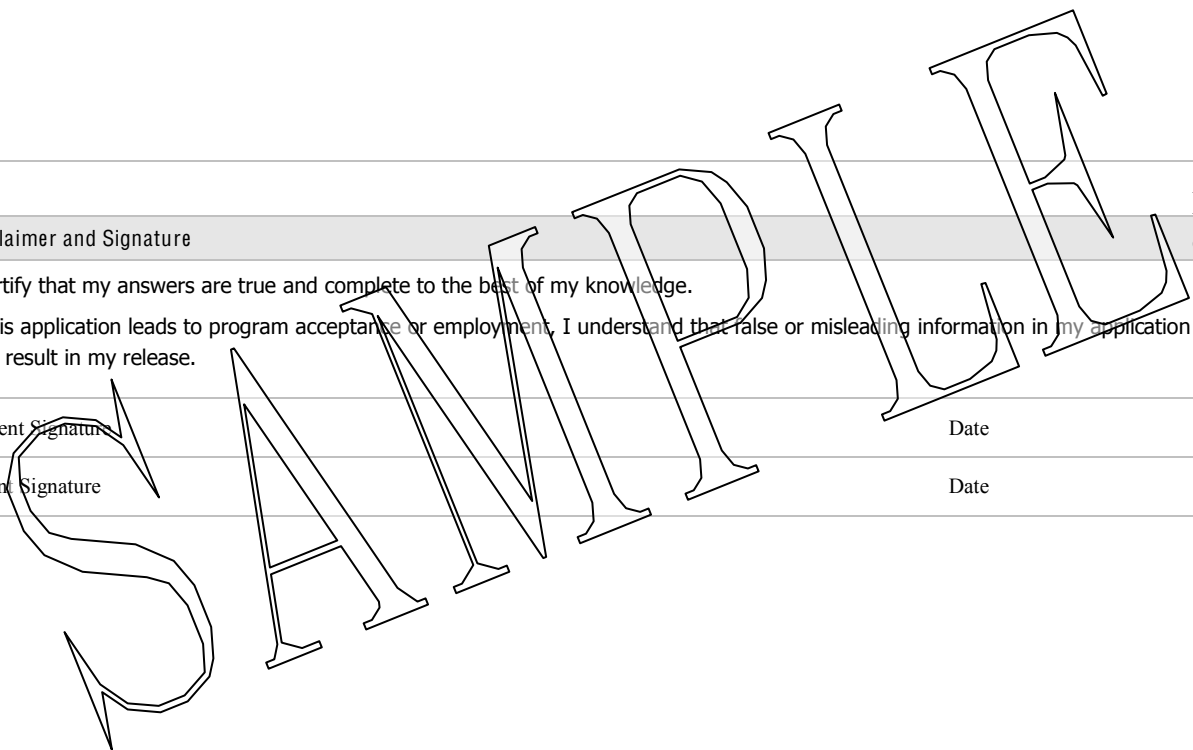
**OUT-OF-SCHOOL INTERNSHIP APPLICATION**

This Common Internship Application, along with the Student Course Registration, begins the formal application process for acceptance into an Out-of-School Internship. This completed application does not guarantee acceptance into an out-of-school internship position. Please make sure to **print legibly in pen** and complete all requested information. All areas must be completed. Return this form to Mrs. Sander by January 27, 2010.

Applicant Information (Please Print Neatly)			
Last Name	First	M.I.	Date
Street Address		Apartment/Unit #	
City		State	ZIP
Email Address			
Cell Phone		Student ID No.	Grade
Counselor			
Internship Applied For: (Students: Select One) <input type="checkbox"/> AOIT Intern <input type="checkbox"/> Business/Law/Technology Intern <input type="checkbox"/> Education Intern <input type="checkbox"/> Hospitality Intern <input type="checkbox"/> H & A Intern <input type="checkbox"/> Psychology Intern <input type="checkbox"/> Science Intern <input type="checkbox"/> OJT			
Are you a citizen of the United States? (Some Internships require US Citizenship)		YES <input type="checkbox"/> NO <input type="checkbox"/>	If no, are you authorized to work in the U.S.? YES <input type="checkbox"/> NO <input type="checkbox"/>
Do you have a social security number?		(DO NOT GIVE YOUR SOCIAL SECURITY NUMBER AT THIS TIME.)	
Do you have any after-school obligations?		If so, when? (#days/hours)	
Are you able to provide your own transportation to your Internship site?		YES <input type="checkbox"/> NO <input type="checkbox"/> NA <input type="checkbox"/>	If No, please explain
Education			
High School (If student attended previous HS.)			
List courses that you have completed that relate to your desired internship of interest:			
Internship Preferences			
Please list an Internship field/subject you will be pursuing. *Please note that the subject areas listed below are <b>binding</b> and will be used to assign your Intern Coordinator for the school year.			
Subject Area: (See Internship Applied For: section above)			
What are your career aspirations?			

What work experiences are you looking for? (Describe Below)

Fall  Spring  **Both**  Summer   
**(Check all that apply)**



Please turn over...

**Disclaimer and Signature**

I certify that my answers are true and complete to the best of my knowledge.

If this application leads to program acceptance or employment, I understand that false or misleading information in my application or interview may result in my release.

Student Signature

Date

Parent Signature

Date

- AOIT – Mrs. Monica Matthey – Room 15 - 301-279-8583
- Business/Law/Technology - Mrs. Noelle Gray - Room 109 - 301-279-8583
- Education - Mrs. Sue Thorpe Room 42 - 301-279-8581
- Family & Consumer Science - Mrs. Sue Thorpe - Room 42 - 301-279-8581
- OJT - Mrs. Noelle Gray - Room 109 - 301-279-8583
- Psychology - Dr. Marie Smith - Room 154 - 301-279-8591
- Science - Mrs. Lesli Adler - Room 208 - 301-517-8136

**Counselor & Administrator Signatures (FOR Internal OFFICE USE ONLY)**

Counselor/Intern Coordinator: Please review this application for completion and accuracy.

Counselor/Intern Coordinator Signature

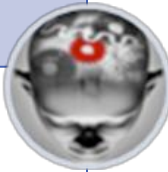
Date

Wootton HS  
 Administrator Signature

Date

# Internship Categories

(Examples)



## BUSINESS/LAW/TECHNOLOGY INTERNSHIP EXAMPLES

- Criminology/Forensics
- Marketing/ Publishing / Event Planning
- Banking industry
- City budget or planning offices
- Insurance Office
- Television/radio stations
- Transportation office
- Retail Management
- Human Resources office
- Magazine publishing
- Small business management - such as sports medicine
- Financial Management
- Accounting
- Fashion Merchandising
- IT Support - Networking
- Web Design
- Programming
- Public/Private Law firms
- State's Attorney Office
- Law Offices of Congressional Representatives
- Police/Fire/EMT services

## EDUCATION INTERNSHIP EXAMPLES

- Teaching Pre-Kindergarten through grade 12  
All Subjects
- School Counseling Services
- Special Education
- Deaf Education

## PSYCHOLOGY INTERNSHIP EXAMPLES

- Mental and Psychological Health & Research (NIMH)
- Office Based Psychology practices
- National Institute for Drug Abuse (NIDA)
- American University Psychology Department
- St. Luke's Outpatient Center for Schizophrenics
- Suburban Hospital for Behavioral Treatment

- Brain Trauma Rehabilitation
- Employee Assistance Office
- Montgomery College Psychology Department

## HUMANITIES & ARTS INTERNSHIP EXAMPLES

- See Mrs. Hanson

## SCIENCE INTERNSHIP EXAMPLES

- Biotechnology
- Veterinary Clinics
- Environmental and Ecology agencies
- Bioinformatics
- National Institutes of Health - Scientific Research
- Bench and Clinical Research w/ NIH
- CARB - Center for Advanced Research & Biotechnology
- Department of Defense Labs (ex. Walter Reed)
- Naval Surface Weapons Labs
- U of MD - Robotics
- NASA
- Dental Offices
- Food and Drug Admin (FDA)
- National Institutes of Science and Technology (NIST )
- Uniform Services University of Health Services
- National Oceanic and Atmospheric Administration (NOAA)

## PLEASE NOTE

- The examples listed will be verified by Counselors, Internship Coordinators, and Administration upon completion of the applications.
- Students are reminded that they must fill out a Common Application and return it, with their Course Registration Card to their Counselor.
- Students will also need to complete the specific application for the Internship.

# OUT-OF-SCHOOL INTERNSHIPS

## Wootton High School

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEE S
<b>BUSINESS/LAW/TECHNOLOGY</b>							
Contact: Mrs. Noelle C. Gray, Room 109							
Business Internship A (Single Period)	12	1	547118	Application &	At least 5 hours/week at site plus projects & weekly logs	None	None
Business Internship B (Single Period)	12	2	547128	Signature required			
Business Internship A (Double Period)	12	1	547117+547118	Application &	At least 9 hours/week at site plus projects & weekly Logs	None	None
Business Internship B (Double Period)	12	2	547127+547128	Signature required			
Business Internship A (Triple Period)	12	1	547116+547117=547118	Application & Signature required	At least 15 hours/week at site plus projects & weekly logs	None	None
Business Internship B (Triple Period)	12	2	547126+547127 547128	Application & Signature required			
<b>EDUCATION</b>							
Contact: Mrs. Sue Thorpe, Room 42							
Education/Child Dev. Intern A (Single Period)	11-12	1	486010	1 credit-Child Dev. Application Req.	Lesson Plans/Professional Portfolio	2-3 hrs	None
Education/Child Dev. Intern B (Single Period)	11-12	2	486020	1 credit-Child Dev. Application Req.	Lesson Plans/Professional Portfolio	2-3 hrs	None
Education/Child Dev. Intern A (Double Period)	11-12	1	+486010	1 credit-Child Dev. Application Req.	Lesson Plans/Professional Portfolio	2-3 hrs	None
Education/Child Dev. Intern B (Double Period)	11-12	2	+486020	1 credit-Child Dev. Application Req.	Lesson Plans/Professional Portfolio	2-3 hrs	None
Education/Child Dev. Intern A (Triple Period)	11-12	1	+486010	1 credit-Child Dev. Application Req.	Lesson Plans/Professional Portfolio	2-3 hrs	None
Education/Child Dev. Intern B (Triple Period)	11-12	2	+486020	1 credit-Child Dev. Application Req.	Lesson Plans/Professional Portfolio	2-3 hrs	None
+ For double and triple periods, use these course codes multiple times.							
<b>FAMILY and CONSUMER SCIENCE</b> Contact: Mrs. Sue Thorpe, Room 42							
Hospitality Management Internship A	11-12	1	+481610	2-3 credits-foods	Logs, portfolio, reflections	1-2 hrs	None
Hospitality Management Internship B	11-12	1	+481620	2-3 credits-foods	Logs, portfolio, reflections	1-3hrs	None
<b>SCIENCE</b>							
Contact: Mrs. Lesli Adler, Room 208 <a href="http://teacherweb.com/MD/WoottonHS/Adler-ScienceInternship/">http://teacherweb.com/MD/WoottonHS/Adler-ScienceInternship/</a>							
Internship A (Science) (Single Period)	11-12	1	3511	Application Packet Required	End of semester presentation/weekly time sheets/reflections/ assignments; 5 hours a week @ site	3 hrs	None
Internship B (Science) (Single Period)	11-12	2	3512			3 hrs	None
Internship A (Science) (Double Period)	11-12	1	3521	Application Packet Required	End of semester presentation/weekly time sheets/reflections/ assignments; 10 hours a week @ site	3 hrs	None
Internship B (Science) (Double Period)	11-12	2	3522			3 hrs	None
Internship A (Science) (Triple Period)	11-12	1	3511+3521	Application Packet Required	End of semester presentation/weekly time sheets/reflections/ assignments; 15 hours a week @ site	3 hrs	None
Internship B (Science) (Triple Period)	11-12	2	3511+3522			3 hrs	None
NIH Internship A/Science	11-12	1	3504	Selected by HHMI,	End of year presentation of conference/students supply own transportation/weekly time sheet		None
NIH Internship B/Science	11-12	2	3505	NIH, MCPS committee			None
<b>SOCIAL STUDIES/PSYCHOLOGY</b>							
Contact: Dr. Marie Smith, Room 154							
Psychology Internship A (Single Period)	12	1	781377	AP Psych A&B/	Students work 5 hours a week	None	None
Psychology Internship B (Single Period)	12	2	781677	Application Packet Required		Students work 5 hours a week	None
Psychology Internship A (Double Period)	12	1	7818	Application Packet Required; AP Psych A&B	Students work 10 hours a week	None	None
Psychology Internship B (Double Period)	12	2	7819	Application Packet Required; AP Psych A&B	Students work 10 hours a week	None	None
Psychology Internship A (Triple Period)	12	1	7822	Application Packet Required; AP Psych A&B	Students work 15 hours a week	None	None
Psychology Internship B (Triple Period)	12	2	7823	Application Packet Required; AP Psych A&B	Students work 15 hours a week	None	None
<b>AOIT INTERNSHIP</b>							
Contact Mrs. Monica Matthey, Room 109B							
	11	1	TBA	½ Credit application required	Students work 120 hrs in the summer between their Junior and Senior year	3 hrs	None

## **ACADEMY OF INFORMATION TECHNOLOGY (AOIT) INTERNSHIP**

Junior AOIT students are required to work a summer paid internship between their Junior and Senior school year. Students will receive work experience in the IT field. Students are required to create a presentation that summarizes their internship work experience to be presented in the fall of their senior year. They are required to work 120 hours and there is an application process.

## **BUSINESS / LAW / TECHNOLOGY INTERNSHIPS**

### **COURSE CODES**

Semester	Single Period	Double Period	Triple Period
1	547118	547117 & 547118	547116 & 547117 & 547118
2	547128	547127 & 547128	547126 & 547127 & 547128

An internship in the field of business, law or technology gives a student an opportunity to

- experience a professional interview and develop a resume
- apply academic and personal skills to a work site with mentor supervision
- clarify career choices through professional networking

To successfully complete the program, students must

- demonstrate responsibility, sociability, integrity, self-management and honesty
- maintain a routine schedule at the work site to meet internship requirements
- submit weekly timesheets, reflective evaluations, seminar assignments & projects
- follow the policies of the workplace
- attend orientation at the beginning of each semester

Placements

- begin search in the Spring following registration
- see school coordinator if you need assistance in your search
- students may arrange their own placement, subject to approval by school coordinator
- available sites vary according to student interest

Application: Use school computer. Search in the handout folder for Gray.

Additional information: see Mrs. Gray, Room 109 or Noelle\_C\_Gray@mcpsmd.org

## **EDUCATION INTERNSHIP OPTIONS IN CLUSTER SCHOOLS**

### **COURSE CODES**

Semester	Single Period	Double Period	Triple Period
1	486010	+ 486010	+486010
2	486020	+ 486020	+ 486020

+ For double and triple periods, use these course codes multiple times.

\*LEARN

\*LEAD

\*INSPIRE

**This course provides the opportunity for students to be role models, tutors, and assistants to students and staff in a variety of educational classrooms in Wootton's cluster schools and private schools.**

**\*All Subject Areas/Counselors/Special Education**

**\*Grades Pre K-8**

### **INTERNSHIP PROCEDURES**

- ALL Interns must complete an application before enrolling in the program
- Applications are available in room 42 /Mrs. Thorpe
- ORIENTATION SEMINARS will be held at the beginning of each semester
- ALL PLACEMENTS will be determined by the intern's career goals and areas of interest along with the needs of the of schools
- ALL PLACEMENTS will be made at the beginning of each semester
- SEMINARS will be held on a regular basis during the semester
- Journals, observations, portfolios, and/or other assessments are required

## **FAMILY & CONSUMER SCIENCE**

### **COURSE CODES**

Semester	Double Period	Triple Period
1	+481610	+481610
2	+481620	+481620

+ For double and triple periods, use these course codes multiple times.

The Hospitality Management Internship is a unique opportunity for students to gain experience, knowledge, and skills to expand on their career and college preparation. The objectives of the internship are those of the general student internship; however, student learning and skills are related to the hospitality and food service industry.

## **SCIENCE INTERNSHIPS**

### **COURSE CODES**

Semester	Triple Period	Double Period	Single Period
1	3511 + 3521	3521	3511
2	3512 + 3522	3522	3512

- Explore career options in SCIENCE in Research Labs, Medical and Veterinary Facilities, Biotech and other Science/Technology Industry, Professional Organizations, Educational Institutions, Public Policy, Media, Technology, etc.
- MCPS Science Credit: Single period, Double period; Combination periods
- Two Work Site Options: Off-Site; In-School
- Work Off-Site w/ a mentor at the place of business (end of the day only)
- Work In-School w/ a “teacher” mentor on a school related science project
- Academic year (or Academic Year + Summer )
- More info/to apply-contact: Mrs. L. Adler [Adlerwootton@email.com](mailto:Adlerwootton@email.com)
- Science Internship Web Site: <http://teacherweb.com/MD/WoottonHS/Adler-ScienceInternship/index.html>

## **SOCIAL SCIENCE/PSYCHOLOGY INTERNSHIP PROGRAM**

### **COURSE CODES**

Semester	Triple Period	Double Period	Single Period
1	7822	7818	781377
2	7823	7819	781677

This is a 2-semester program only - 1/2 credit for each period each semester.

Eligibility: Seniors who have taken AP Psychology

Applications: Room 154

Contact information: Dr. Marie T. Smith, 240/602-8676 or [marie\\_t\\_smith@mcpsmd.org](mailto:marie_t_smith@mcpsmd.org)

## IN-SCHOOL INTERNSHIPS Wootton High School

COURSE TITLE	GR	SEM	CODE	PREREQUISITE	COURSE ASSIGNMENTS/PROJECTS	WEEKLY STUDY HR(s) (Approx)	FEES
<b>COMPUTER SCIENCE</b>							
Contact: Mrs. Monica Matthey, Room 109							
Comp Maintenance Tech Internship A	11-12	1	570610	Comp Maint & Lan	Assist User Support Specialist to maintain School network	None	None
Comp Maintenance Tech Internship B	11-12	2	570620	Application required		None	None
<b>ENGLISH</b>							
Contact: Ms. Kimberly Boldon, Room 242							
Writing Center Internship	11-12	1	781367	AP Eng enrollment	Peer writing consultant; can meet H & A Internship requirement	2-3 hrs	None
Writing Center Internship	11-12	2	781667	AP Eng enrollment		2-3 hrs	None
<b>EDUCATION</b>							
Contacts: Mrs. Sue Thorpe, Room 42							
Student Support Areas A Academic Classes Scholars Program Special Needs Students A Student Academic Center	11-12	1	781370	Application Required	Reflections, observations, evaluations	1 hr	None
Student Support Areas B Academic Classes Scholars Program Special Needs Students B Student Academic Center	11-12	2	781670	Application Required	Reflections, observations, evaluations	1 hr	None
<b>SCIENCE</b>							
Contact: Mrs. Lesli Adler, Room 208 <a href="http://teacherweb.com/MD/WoottonHS/Adler-ScienceInternship/">http://teacherweb.com/MD/WoottonHS/Adler-ScienceInternship/</a>							
Internship A (Science) SP	11-12	1	3511	Application packet required	End of semester presentation/weekly time sheet/reflections/assignments; <b>5 hrs a week @</b> site	1 hr	None
Internship B (Science) SP	11-12	2	3512			1 hr	
Internship A (Science) DP	11-12	1	3521	Application packet required	End of semester presentation/weekly time sheet/reflections/assignments; <b>10 hrs a week @</b> site	2 hrs	None
Internship B (Science) DP	11-12	2	3522			2 hrs	
<b>TELEVISION INTERNSHIP</b>							
Contact: Mr. Kenny Jacobs, Room 102F							
Morning Announcements A	10-12	1	781351	TV Internship #781350 & TV Coordinator Approval	Rotating assignments with studio equipment	1 hr/wk	\$8
Morning Announcements A	10-12	1	781351	TV Internship #781350 & TV Coordinator Approval	Rotating assignments with studio equipment	1 hr/wk	\$8
TV Internship A	11-12	1	781350	TV Coordinator Approval	Long-term assignment, and assist with TV studio operations	1.5 hr/wk	\$8
TV Internship B	11-12	2	781650	TV Internship #781350 & TV Coordinator Approval	Long-term assignment, and assist with TV studio operations	1.5 hr/wk	\$8

**COMPUTER MAINTENANCE INTERNSHIP – (570610/570620)**

Assist school User Support Specialist with maintaining the computer network, solving teacher/staff computer inquiries.

**EDUCATION INTERNSHIP OPTIONS AT WOOTTON - (781370/781670)**

*LEARN	*LEAD	*INSPIRE
--------	-------	----------

This course provides the opportunity for students to be tutors, role models and assistants to students and staff in a variety of educational classrooms at Wootton.

**\*ACADEMIC SUBJECT AREAS**

- \*Art/Music/Theatre
- \*English
- \*ESOL

- \*Foreign Language
- \*Health
- \*Math

- \*Physical Education
- \*Social Studies
- \*Technology

**\*STUDENT SUPPORT AREAS**

- \*Scholars Program
- \*Student Academic Center

- \*Special Education

**INTERNSHIP PROCEDURES**

- ALL Interns must complete an application before enrolling in the program
- Applications are available in room 42
- ORIENTATION SEMINARS will be held at the beginning of each semester
- ALL PLACEMENTS will be determined by the intern’s area of interest and the needs of the school
- ALL PLACEMENTS will be made at the beginning of each semester
- SEMINARS will be held on a regular basis during the semester
- Reflections, observations, and/or other assessments are required

**ENGLISH INTERNSHIP – (781367/781667)**

Writing Center Interns work in the English Department’s Writing Center. After extensive training using *The Bedford Guide for Writing Tutors* as well as practice with a variety of student writing samples, Writing Center interns work alongside English teachers and the department’s Composition Assistants helping Wootton students at all grade and proficiency levels to refine and to clarify their compositions. Writing interns are juniors or seniors who are themselves skilled in writing and argumentation and who enjoy working with other students as they think about and frame arguments during the composing process. Writing Interns are scheduled into the Writing Center during the 4<sup>th</sup>, 5<sup>th</sup>, or 6<sup>th</sup> Lunch period and are available during that period to mentor any student who comes to the Writing Center for assistance.

**MORNING ANNOUNCEMENTS INTERNSHIP - (781351/781651)**

This course builds on competencies gained either in Television Production 1 or 2 or the TV Internship Program. Activities center around the daily production of a live television broadcast. Students will be provided with extensive opportunities to operate all television studio equipment and will perform a variety of technical roles in support of the Morning Announcements program.

**SCIENCE INTERNSHIP – (3511/3512)**

- Explore career options in SCIENCE within Wootton High School
- MCPS Science Credit: 1 period, any period during the day
- Work On-Site w/a science staff mentor
- Independent research related to science & departmental projects
- Academic year (or Academic Year + Summer)
- More info/to apply-contact: Mrs. L. Adler: [Adlerwootton@email.com](mailto:Adlerwootton@email.com)
- Science Internship Web Site: <http://teacherweb.com/MD/WoottonHS/Adler-ScienceInternship/index.html>

**TV INTERNSHIP A & B - (781350/781650)**

This internship introduces students to all aspects of television production, with emphasis on providing service to the Wootton community. Students will become proficient in the use of Wootton’s audio-visual and television equipment in the production of both live and video taped television productions. Students will learn the basic editing and video taping procedures and will have practical experience with all television studio equipment. In addition to television, students will also have extensive opportunities to gain experience in operating audio-visual equipment in support of various Wootton programs such as assemblies, setting up for guest speakers and after school programs, etc. Interns will occasionally be assigned written work, such as storyboards and script writing, in order to contribute to the development of projects.

# PARKING REGULATIONS

Dear Students and Parents:

This letter is to inform you that we are now accepting applications for parking permits for the 2010 Fall Semester. As a reminder, parking permits are a privilege, not a right. Parking is for **SENIORS ONLY** with the exception of OJT and internships. The Board of Education mandated fee of **\$37.50 per semester (subject to change)** will be charged for the 2010-2011 school year. This fee is non-refundable and will be collected from each student at the time the permits are issued. Applications are to be submitted to Dr. Critton no later than Monday, **August 16, 2010**. **Applicants will be notified by their sponsor or coach if approved for a permit. Please do not submit the fee with the application. Permits will be distributed at the end of the 1<sup>st</sup> week of school.** Students must resubmit an application each semester. Second semester permits will be distributed after Exam Week in January 2011.



The parking permits will be issued based upon the criteria listed below:

- All students must maintain a 2.0 GPA at all times with no more than 1 failing grade. Permits will be revoked if students fall under a 2.0 GPA and parking fees will not be refunded.
- Students may not have an obligation to the Financial Office.
- Handicapped students (must have physician's statement and handicapped sticker from the MVA).
- Students who are part-time attendants at other MCPS schools as part of their high school program (only if no alternative transportation is provided). Program must occur during school hours and be certified by a Wootton Guidance Counselor and /or internship coordinator. **PRIORITY WILL BE GIVEN TO WOOTTON PROGRAMS.** (Edison program students are not eligible for parking permits.)
- Students enrolled in a Wootton High School supervised work program or internship (only if no alternative transportation is provided). Program/work must occur during school hours and be confirmed and monitored by the Wootton program sponsor.
- Students enrolled in a minimum of two classes in the Montgomery College Institute at Wootton or enrolled in one Montgomery College Institute class at Gaithersburg High School.
- Clubs/team (Seniors as determined by the sponsor/coach)

**Students who are involved in the above programs and are part of a carpool within that program will be given a higher priority.**

Students that attend or participate in activities that meet after 2:10 pm will not be considered for a parking permit. (Approved sports season permits are excluded from this stipulation.)

**Parking between Wootton HS parking lot, and the Rockshire parking lot may be rotated each semester. Student that park at Wootton may be moved to Rockshire, and those at Rockshire will move to Wootton.**



**STUDENTS DO NOT HAVE PREFERENCE REGARDING PARKING LOCATION.**



Hanging, color coded decals will be issued each semester and must be attached to the rearview mirror. Students assigned to either parking lot will be assigned a numbered parking space. Rockshire Shopping Center has given Wootton permission to use designated spaces for student parking provided they have a Wootton parking permit. Security personnel will monitor these parking areas daily and ticketing/towing will be enforced for illegally parked vehicles. Students with any parking concerns should contact a member of security upon arriving at school for resolution of the concern.

Sincerely,

Frank Critton  
Assistant Principal