John Marshall

Monarchs

Course Description Booklet

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John Marshall High School Mission Statement

The faculty, staff, and administration will provide a safe, caring, and productive environment for our students so that they will obtain necessary knowledge and skills to be dynamic citizens of our ever-changing society.

Dear John Marshall High School Students and Parents,

The JMHS administration and counseling staff are pleased to present the new John Marshall High School Course Description Booklet. The purpose of this booklet is to guide students in planning their academic programs. This plan will assist in students selecting courses that fulfill the graduation requirements for the state of West Virginia and Marshall County Schools. Planning course work is an important aspect of each student's high school career, and a successful plan will prepare students for their post-graduation pursuits.

Students should carefully read and discuss their course options before making final decisions. Students may contact their counselor with any questions at 304-843-4444.

Sincerely,

Katie Dantrassy
Assistant Principal/Curriculum

COUNSELING DEPARTMENT

The student's assigned counselor will handle all academic and scheduling issues.

JMHS Counseling Staff	Student Last Name	Email Address	Phone# and Extension
Melanie Knutsen	A-G	mknutsen@k12.wv.us	304-843-4444 Ext. 131
Angie Curran	H-N	amgessler@k12.wv.us	304-843-4444 Ext. 138
Marilyn Wehrheim	O-Z	mwehrhei@k12.wv.us	304-843-4444 Ext. 145
Support Staff			
Dr. David Gaudino	Career Counselor	dgaudino@k12.wv.us	304-843-4444 Ext. 152
Sara Fincham	Violence Advocate/ Teen Dating	sfincham@ywcawheeling.org	304-843-4471

Students will have the same counselor for their four years while at John Marshall. Students need to make sure they know who their counselors are. Please stop in the Counseling Office if you have any questions.

Sara Fincham, a Y.W.C.A. counselor, educates students about the potential dangers of being in a physically or mentally abusive relationship. Her office is located in the Discipline Office.

COLLEGE EARLY ENTRANCE AT JOHN MARSHALL

Dual credit is offered from West Virginia Northern Community College, West Liberty University, and West Virginia University to John Marshall High School students through the "early entrance" programs of the respective schools. Students may take a class and receive college credit as well as credit towards high school graduation. These courses are listed in the course description section with course requirements. Tuition fees are required and students must meet the prerequisite criteria set forth by each college. Dual credit courses carry an additional .5 value. These classes are subject to approval by respective colleges and may not be offered if enrollment is limited. The early entrance program is governed by the West Virginia Higher Education Policy Commission and as such, may change during the year. Decisions at the state level can affect and overrule local decisions regarding the offering of dual credit, so be sure to talk with a counselor to see which classes will be offered each semester.

MAKING COURSE SELECTIONS

Read this course description guide carefully. Each year of high school must be carefully planned to assure the student has fulfilled all requirements to enter post-secondary education or to begin a career with job-related skills upon graduation. It is important to realize that few jobs exist for students who do not have specific career preparation. As courses are selected, students and parents must determine if the selections are focused toward future educational or career plans. Students can use the checklist below to help determine their course selections:

- ✓ Determine the career focus that you are preparing to pursue.
- ✓ Review your four-year plan to identify which courses are most appropriate for your career path.
- ✓ Determine the specific graduation requirements necessary at each grade level.
- ✓ Read each course description. Be familiar with the courses that are appropriate for each grade and career path. If you are unsure, consult with your counselor.
- ✓ Make sure that there is a clear understanding of course prerequisites. Some courses require certain grade averages, test scores, attendance requirements, or teacher recommendations.

PARTICIPATION IN GRADUATION EXERCISES

In order to participate in graduation exercises at any Marshall County public high school, a student must have completed, without exception, all requirements for graduation as defined in Graduation Requirements or Board Policy for graduation. Students who fall short of requirements in any area shall not be permitted to participate in such exercises. ***Source: Marshall County Board of Education Policy and/or minutes.***

ADVANCED PLACEMENT

Advanced Placement (AP) courses provide rich course material, classroom discussions, and demanding assignments. The assignments typical of AP courses will help students develop the content mastery and critical thinking skills expected of college students, and feel confident in their abilities. Successful completion of national AP tests can lead to earning college credit and help a student stand out in the college admission process. AP courses require above-average Smarter Balanced Test scores, teacher recommendation, and at least a 3.0 GPA. AP classes require additional time commitments for coursework both in class and outside of school in the form of summer readings, independent research, homework assignments, and study time. The amount of time will be higher than the amount of time designated for Honors classes. Students carrying a high number of AP classes need to take this into consideration especially if participating in after school curricular activities or working a part-time job. AP courses carry an additional 1.0 value.

PROJECT LEAD THE WAY COURSES

PLTW empowers students to develop and apply in-demand, transportable skills by exploring real-world challenges. Through our pathways in computer science, engineering, and biomedical science, students not only learn technical skills, but also learn to solve problems, think critically and creatively, communicate, and collaborate. By creating an engaging learning environment, PLTW programs empower students to develop in-demand skills to pursue rewarding careers, solve important challenges, and contribute to global progress. John Marshall offers PLTW courses in biomedical and engineering and will soon be expanding into computer sciences. These courses must begin with each program's intro course as a pre-requisite. Specific courses in this pathway are recognized as high

school lab science credits. Depending on the course, these electives can carry an honors weighted credit.

HONORS COURSES

John Marshall High School offers honor courses to academically advanced students. These courses offer in-depth scholarly exploration into the subject area. Honors classes will carry an additional workload in the area of after school homework, reading assignments, study time and summer reading. Honors classes carry an additional .5 value.

CAREER and TECHNICAL EDUCATION

Career and Technical Education at John Marshall encompasses a great variety of programs designed to equip students with work and life skills. Students explore career options and develop skills they will need to be successful in the modern workplace as well as prepare them for many technical college courses. Some courses can be a springboard to immediate employment for many graduates. Other students rely on technical education courses to prepare them for college and other post-secondary learning opportunities. More information can be found at http://careertech.k12.wv.us.

EDGE ARTICULATION AGREEMENT

Earn a Degree, Graduate Early (EDGE) was created to address certain areas of curriculum duplication and at the same time provide incentives for more students to continue their education beyond high school. Students who participate in the EDGE initiative can earn community and technical college credit, free of charge, for the duplicated secondary and postsecondary courses identified during the curriculum alignment process.

To be eligible to receive credit in the EDGE initiative, a high school student must:

1. Enroll in an eligible EDGE high school course.
2. Pass the high school course and score a 75 percent or higher on the IPSI comprehensive exam or a 74 percent or higher on the WV Department of Education's End-of-Course Technical Skills exam.

All John Marshall students will be provided the opportunity to enroll in EDGE courses. EDGE courses are identified throughout the Course Description Booklet where the credit is listed for each class. More information can be found at http://careertech.k12.wv.us.

PROMISE SCHOLARSHIP INFORMATION

Must complete high school graduation requirements at a West Virginia public or private high school. Must complete at least one half of credits required for high school graduation through attendance at a public or private high school in the state of West Virginia.

- Limited exceptions are available for students from West Virginia who commute daily to an out-of-state public or private high school and who qualify as a military dependent under Section 6 of the PROMISE Scholarship Program Rule.

Must achieve a cumulative grade point average of at least a 3.0 on a 4.0 scale or whatever is considered a "B" average, based on county board grading policies, in both core courses AND overall coursework required for graduation by the West Virginia Department of Education.

- The Core grade point average is determined based on the grades in all core courses a student completes on the core class listing, not just those required for graduation.
- Initial eligibility will be determined by grades at the end of the seventh high school semester, but applicants may qualify as late as after the eighth semester.
- Students using the last semester of high school to determine their eligibility are responsible for having their school send an official transcript identifying both the core and overall grade point averages.
- Applicants who qualify with seventh semester grades must maintain the grade point average requirement through the eighth semester or the scholarship will be revoked.

- If a student does not have a qualifying seventh semester grade point average, they must apply and have a completed FAFSA submitted by the March 1 deadline to be considered.
- Grade point average determination must be determined by a high school counselor or school official.
- Weighted grades may be used based on county board grading policy.

Dual Credit and other College Coursework

- Students can take an unlimited number of credit hours prior to college enrollment and still be eligible for PROMISE Scholarship.
- College coursework taken in high will count toward initial eligibility but not toward PROMISE renewal requirements.

Students must complete the minimum core requirements listed here.

- English - 4 credits
- Mathematics - 4 credits
- Social Sciences - 4 credits
- Natural Sciences - 3 credits

Minimum Test Score Requirements

Must meet standardized test score criteria on ACT or SAT national test by the June testing dates of the application year.

- ACT Score requirement: 22 composite score with a minimum of 20 in English, Mathematics, Science, and Reading.
- SAT Score requirement: 1020 combined score with minimum of 480 in Mathematics and 490 in Critical Reading.

***Consult www.cfwv.com for the latest information about the PROMISE Scholarship.**

PROMOTION CREDIT REQUIREMENTS

Students need to earn a minimum number of credits each year to be considered for upper class standing. Those requirements are:

To be considered a sophomore (10th grade) a student must earn a minimum of five (5) cumulative credits in his freshman year (9th grade).

To be considered a junior (11th grade) a student must earn a minimum of ten (10) cumulative credits from his freshman and sophomore (10th grade) years.

To be considered a senior (12th grade) and a candidate for graduation, a student must earn a minimum of eighteen (18) credits from his freshman (9th grade), sophomore (10th grade) and junior (11th grade) years.

One half credit (.5) is awarded for each semester of successfully completed work. Two semesters of successfully completed work equals one full credit. An earned letter grade of "D" or better is considered a passing mark.

VIRTUAL SCHOOL

Advanced students who are looking to enhance their education with electives not offered by John Marshall may be able to take virtual classes through an online environment. These classes require work outside of the normal day and a great deal of focus and discipline on the individual student to be successful. Students who do well learning independently and have at least a 3.0 GPA with a teacher's recommendation may be eligible to try virtual classes. Classes such as Cisco Networking, Interactive Game Design, Latin, German, Mandarin Chinese, Japanese, and others are available through the West Virginia Virtual School. More information can be found at http://virtualschool.k12.wv.us.

CREDIT RECOVERY

For students who need to recover credits from a core curricular class they previously failed, JM offers a credit recovery program after school, Monday through Thursday, from 3:15 to 6:00. The credit recovery program uses the Plato Learning Environment to deliver subject material via an online program.

Students should see their counselor to learn more information and start the program. Credit Recovery will only be offered during the following months after school: February, April, May, June (Summer School), and September. Credit Recovery can also be done during Saturday school, which is typically offered twice a month throughout the school year.

West Virginia State Graduation Requirements

Core Requirements (18 credits)

English Language Arts*	**4 credits** English 9 English 10 English 11 English 12 or English 12 CR or Transition English Language Arts for Seniors* An AP® English course may be substituted for any of the above courses.
Mathematics*	**4 credits**[1] Math I Math II Math III STEM, or Math III LA or Math III TR Math IV or Math IV TR or Transition Mathematics for Seniors* or any other fourth course option (Chart V) An AP® Mathematics course may be substituted for an equivalent course or any fourth course option.
Science*	**3 credits** Earth and Space Science (Grade 9) Biology (Grade 10) One additional lab science course or AP® science course
Social Studies*	**4 credits** World Studies (Grade 9) or an AP® Social Studies course United States Studies (Grade 10) or an AP® Social Studies course Contemporary Studies or an AP® Social Studies course Civics for the Next Generation or AP® Government and Politics.
Physical Education*	**1 credit** Physical Education 9-12 (WV Education Information System [hereinafter WVEIS course 6609]). At least 50 percent of class time for physical education should be spent in moderate to vigorous-intensity physical activity.
Health*	**1 credit** Health 9-12 (WVEIS course 6909)
The Arts*	**1 credit**
Graduation Requirements (6 personalized)	
Personalized Education Plan	**4 credits** Each student's PEP will identify course work for the four (4) credits that will lead directly to placement in entry-level, credit-bearing academic college courses, an industry-recognized certificate or license, or workforce training programs. Best practices encourage students to take at least 1 AP® and/or AC course with corresponding examination, a fourth Science credit, and 2 credits in one World Language, and/or four credits cumulating in acquisition of industry and recognized Career and Technical Education (hereinafter CTE) credential focused on career aspirations.
Career and Technical Education (CTE)*	The four credits taken in a career and technical concentration must be consistent with those identified for WVDE approved career and technical

	programs of study. (Refer to W. Va. 126CSR44M, Policy 2520.13: Common Core Content Standards for Career and Technical Education in West Virginia Schools.) Each career and technical concentration in a school shall provide students the opportunity to obtain an industry recognized credential as part of the instructional program when applicable. School systems wishing to offer a concentration outside of the state approved CTE concentrations, must have four related courses approved by the local board of educations. Approved WV Career Clusters Agriculture, Food and Natural Resources Architecture and Construction Arts, A/V Technology and Communication Business Management and Administration Education and Training Government and Public Administration Health Sciences Hospitality and Tourism Human Services Information Technology Law, Public Safety, Correction and Security Manufacturing Marketing Science, Technology, Engineering and Mathematics Transportation, Distribution and Logistics Students with disabilities may earn 4 credits in Community Readiness Training recommended through an IEP Team as a personalized concentration.
World Languages	Communicating in a global society requires students to apply appropriate language strategies through embedded opportunities to explore and gain an understanding of the world around them. Undergraduate admission to West Virginia four-year colleges and universities include the completion of two units of the same world language.
Electives	**2 Credits** The remaining graduation requirements are to be electives. When choosing electives, students should consult with their chosen postsecondary educational program to make sure the electives are acceptable.
Developmentally Appropriate Practices for Student Success and Career Readiness	
Career Development	All students in grades 9-12 will be provided structured, on-going experiences for career exploration, decision making, and career preparation. Career development shall be an integrated approach, engaging all staff in assisting students during the school day to explore the 16 career clusters. Career exploration will include opportunities for students to discover their interests in emerging careers including STEM careers in science, oil & gas, technology, engineering, and math. The school will engage student advisors in utilizing each student's career awareness activities to develop the PEP. Advisors will assist students and their parents to utilize their various interests, learning styles, career and academic assessments to guide educational planning and career choices. Career exploration activities will be documented in each student's personalized career portfolios.

Comprehensive School Counseling Program	A standards-focused, integrated, comprehensive and developmental school counseling program will assist students with the acquisition of school success and career readiness skills to prepare for high school and postsecondary success. School counselors will work collaboratively with other school staff to assist students with academic and postsecondary planning that leads to seamless transitions to the identified postsecondary options. Refer to WVBE Policy 2315 to ensure alignment with policy requirements.
Student Advocate/Advisor/Mentor	High schools will implement an advisory system that provides students with meaningful supportive relationships and maximizes each student's personalized learning experience. An adult advocate, advisor, or mentor will take an interest in each student's successful learning, goal setting, career planning and personal growth. The advisory system shall be evidence based and systemically integrate school success and career readiness skills (e.g., work, ethic, communication skills, team work, collaborative skills, personal responsibility, social skills, organization, financial literacy, and study skills).
Physical Activity	High schools should recognize that healthy lifestyles and academic success are tightly interwoven. Therefore, schools should promote wellness activities that extend beyond the course requirements for physical education and health. This may be accomplished through programs that focus on skill development, sportsmanship and teamwork. Opportunities should be provided for 30 minutes of moderate to vigorous integrated physical activity daily to keep high school students physically active throughout the school year. Wellness education should target the widespread behaviors that undermine the health and resulting capacity for personal success during adolescence.
Technology	Students in grades 9-12 will be provided regular opportunities within the context of normal course work to master the standards set forth in WVBE Policy 2520.14. The infrastructure of classrooms should infuse technology and pedagogy to transform instruction, thus leading to improved student engagement. It is recommended that all students complete an online learning experience during grades 9-12. Students must be provided opportunities for advanced technology applications.

IMPORTANT SCHEDULING NOTE

The John Marshall High School Master Schedule is based on WVDE high school curriculum requirements and driven by student numbers and student interest. Courses and total course sections offered are determined by the number of students expressing interest in the course. While elective courses are offered in this booklet, courses may not be taught in a given school year if student numbers or personnel are not sufficient to offer the class.

JMHS

Alma Mater

The glory of John Marshall High
Will live for years to come.
The faculty and students are
United into one

When we leave we'll ne'er forget
The times we spent in learning,
The knowledge and the friendships true
Which came for all our yearning.

All hail dear John Marshall
This love song lives for you
With all our hearts
We wish to say,
"We love you, yes we do!"

-written and composed
by senior student Reva Litman
(now Reva Icard) in 1968

How To Read a Course Description

COURSE TITLE: **English Language Arts 10 American Literature Honors** ← Course Name

Course Number:
40101H
40102H ← Course Number used in scheduling

Grade Level:
10 ← Grade level of students who can enroll in the course

Graduation Credit:
1 Language Arts ← Graduation requirement met by the course and the number of credits earned

The content is the same as American Literature with more depth and at a quicker pace for the advanced student. Since this is a feeder course into AP Literature 11, students are required to enrich their literary background through assigned summer reading and supplemental reading throughout the school year. The approximate out of class preparation time for this course is 1 to 2 hours per evening.

Duration: 2 semesters

Prerequisite: See criteria for Honors Placement. Must pass both semesters of English Language Arts 9 in order to take Honors. For students not in honors class last year or a transfer student, standardized test scores and grades will be used.

CORE COURSES

ENGLISH

COURSE TITLE:	**English Language Arts 9**
Course Number: **400910** **400920** Grade Level: 9 Graduation Credit: 1 Language Arts	English Language Arts 9 focuses on the Next Generation CSOs in reading, writing, grammar, speaking and technology that the state requires be taught with an emphasis placed on writing. Duration: 2 semesters
COURSE TITLE:	**English Language Arts 9 Honors**
Course Number: **40091H** **40092H** Grade Level: 9 Graduation Credit: 1 Language Arts	English Language Arts 9 Honors has the same concepts as English Language Arts 9. More formal writing will be introduced. Literary structures will be analyzed and elements of writing will be surveyed. Duration: 2 semesters Prerequisite: Students must pass both semesters of English Language Arts 8 and receive a teacher recommendation. Standardized test scores and grades will be considered to determine proficiency for entry.
COURSE TITLE:	**English Language Arts 10**
Course Number: **401010** **401020** Grade Level: 10 Graduation Credit: 1 Language Arts	The Next Generation CSOs surveys various genres of fiction and non-fiction literature. Emphasis is placed on major literature samples, writers, and historical literary background. A research paper/project using MLA format is required. All content standards including grammar and mechanical skills are covered. Out-of-class assignments including reading and writing are required in this course. Duration: 2 semesters
COURSE TITLE:	**English Language Arts 10 Honors**
Course Number: **40101H** **40102H** Grade Level: 10 Graduation Credit: 1 Language Arts	The Next Generation CSOs surveys various genres of fiction and non-fiction literature. Emphasis is placed on major literature samples, writers, and historical literary background. A research paper/project using MLA format is required. All content standards – including grammar and mechanical skills – are covered. Out-of-class assignments – including reading and writing – are required in this course. Since this is a feeder course into English Language Arts 11 Advanced Placement, students are required to enrich their literary background through assigned summer reading. Duration: 2 semesters

	Prerequisite: Students must pass both semesters of English Language Arts 9. Standardized test scores and grades will be considered to determine proficiency for entry.
COURSE TITLE:	**English Language Arts 11**
Course Number: **401110** **401120** Grade Level: 11 Graduation Credit: 1 Language Arts	This Next Generation CSOs surveys English literature from the Anglo-Saxon era to the present. Emphasis is placed on major literary samples, writers, and historical literary background of Great Britain. A research project/paper is required. Grammar and mechanical skills are reviewed. Duration: 2 semesters
COURSE TITLE:	**English Literature and Composition AP**
Course Number: **40421A** **40422A** Grade Level: 11 Graduation Credit: 1 Language Arts	Students are required to enrich their literary backgrounds through assigned summer reading and supplemental reading throughout the school year. The major intent of this course is to guide students to take the Advanced Placement Exam in literature and composition in May of their junior year, providing them with the opportunity to earn up to six hours of college credit or honors recognition at the college level. Extensive out-of-class reading and preparation is required. Students should expect to spend 1 to 2 hours of time per night in preparation for this class. Duration: 2 semesters Prerequisite: Student must have a "B" average or better in English Language Arts 10; Standardized test scores and grades will be considered to determine proficiency for entry.
COURSE TITLE:	**English Language Arts 12**
Course Number: **401210** **401220** Grade Level: 12 Graduation Credit: 1 Language Arts	This course focuses on reading and writing non-fiction prose, principally narrative, persuasive, and expository essays, to allow for successful transition to post-secondary schools. Students closely analyze written and visual sources, synthesize material from these texts to create their own compositions, create and present multimedia projects and utilize MLA and APA conventions. All content standards and objectives are covered. Out-of-class reading and writing is required in this course. Duration: 2 semesters
COURSE TITLE:	**AP English Language and Composition**
Course Numbers: **40411A** **40412A** Grade Level: 12 Graduation Credit: 1 Language Arts	The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Students read and analyze the rhetorical elements and their effects in non-fiction written and visual texts from many disciplines and historical periods. Extensive out of class reading and writing is required in this course, including summer assignments. Successful passage of the exam provides student with the opportunity to earn up to six hours of college credit or honors recognition at the college level. Duration: 2 semesters

	Prerequisite: Must have a B or better average in English Language Arts 11; Standardized test scores and grades will be considered to determine proficiency for entry. It is recommended students consider taking AP Civics and Government concurrently.
COURSE TITLE:	**AP English Language and Composition: Emphasis on STEM**
Course Numbers: **40411A** **40412A** Grade Level: 12 Graduation Credit: 1 Language Arts	The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Students read and analyze the rhetorical elements and their effects in non-fiction written and visual texts. Texts chosen for this course will primarily focus on topics and issues related to the fields of science, technology, engineering and math, including foundational and influential STEM writing from multiple time periods. Extensive out of class reading and writing is required in this course, including summer assignments. Successful passage of the exam provides student with the opportunity to earn up to six hours of college credit or honors recognition at the college level. Duration: 2 semesters Prerequisite: Must have a B or better average in English Language Arts 11; Standardized test scores and grades will be considered to determine proficiency for entry. Students taking at least one honors or AP STEM course and are planning to focus on a STEM field at the post-secondary level may choose to take this course. □

"Whether you think you can or you can't, you're right."

-Henry Ford
American industrialist, founder of the Ford Motor Company

ENGLISH ELECTIVES

COURSE TITLE:	**Film to Print I & II**
Course Numbers: **382010** **382020** Grade Level: 11-12 Graduation Credit: ½ Elective	This elective will use high interest novels as a foundation for analyzing the corresponding films. Skills assessed will include close reading of the texts and visuals as well as writing skills, introduction to film vocabulary will be included. A final collaborative project will include a production and screen play of a 5 minutes short film. Possible texts include: The Hunger Games by Suzanne Collins; Divergent by Veronica Roth; Ender's Game by Orson Scott Card; Fahrenheit 451 by Ray Bradbury; the Lion King and Shakespeare's Hamlet, and many more. Reading and writing will be an integral part of this class. Duration: 1 semester Prerequisite: Students must have had a "C" or better in English the previous year to be eligible for this class. Students who are credit deficient in ENGLISH will not be accepted into this class.
COURSE TITLE:	**Creative Writing I (Prose) & II (Poetry)**
Course Numbers: **402200** Grade Level: 9-12 Graduation Credit: ½ Elective	The course provides an opportunity for the student to develop personal writing skills. It is designed to develop interest and talents and provide opportunities for creative self-expression in exposition, short story, poetry, and other prose writing. Duration: 1 semester
COURSE TITLE:	**Novel Study**
Course Numbers: **415000** Grade Level: 9-12 Graduation Credit: ½ Elective	The Novel Study Course will trace various themes collections of poetry, drama, media, non-fiction, and novels. Students develop strategies to enhance reading, writing, collaborative, and speaking skills. Students write essays for varied purposes and audiences. Students identify voice in literature and express their own voice through written and oral communication. Independent reading is assessed on a regular basis. Duration: 1 semester
COURSE TITLE:	**Sports Literature I & II**
Course Numbers: **413600** Grade Level: 10-12 Graduation Credit: ½ Elective	Sports Literature is an elective course designed to be taken in addition to a traditional English Literature course. The class will examine the unique relationship between sports and society through literature and media. Reading in this course will be selected to be high interest and thought provoking. Writing in this class will include persuasive, narrative, and informational pieces. The class will use blogging, social media, and other innovative strategies to allow students to explore their sports related passions and the connections sports make to our lives. Duration: 1 semesters

COURSE TITLE:	**Mountain Folklore I & II**
Course Numbers: **412410** **412420** Grade Level: 9-12 Graduation Credit: ½ Elective	This course will provide students with access to Mountain Folklore including literature, music, history, culture, and stereotypes from the Appalachian region, specifically but not solely in WV. At semesters' end, the students will celebrate the culture in an Appalachian feast in which we enjoy foods, music, dance, and storytelling of the region. Students who are credit deficient in ENGLISH will not be accepted into this class. Duration: 1 semester
COURSE TITLE:	**Mythology**
Course Numbers: **412500** Grade Level: 11-12 Graduation Credit: ½ Elective	This course offers students the opportunity to study Greek, Norse, and Arthurian legends and myths. Emphasis is placed on the influence myths and legends have on the thought, culture, literature, and language of Western civilization. Students who are credit deficient in English will not be accepted in this class. Duration: 1 semester Prerequisite: Successful completion of English 10
COURSE TITLE:	**Speech/Oral Communication**
Course Numbers: **407600** Grade Level: 10-12 Graduation Credit: ½ Elective	Content touches on verbal and non-verbal communications, listening, group communications, interviewing, speech writing and delivery, demonstrations as well as research skills. An introduction to forensics is included. Students should be enrolled in or have completed American Literature or 9th grade English Honors. Duration: 1 semester Prerequisite: Students must have had a "C" or better in English the previous year to be eligible for this class. Students who are credit deficient in ENGLISH will not be accepted into this class.
COURSE TITLE:	**Speech 2 Dual Credit**
Course Numbers: **41651X** **41652X** Grade Level: 11-12 Graduation Credit: 1 Elective College Credit: WLU COM 101	Content consists of learning to prepare and deliver speeches in the following areas: Dramatic Duo, After Dinner Speaking, Original Oratory, Parliamentary Procedure, Impromptu, and Extemporaneous Speaking, Dramatic and Humorous Interpretation, Interpretation of Prose and Poetry. Duration: 2 semesters Prerequisite: Successful completion of Speech/Oral Communication 1 with a "C" or better average. Students who are credit deficient in ENGLISH will not be accepted into this class.
COURSE TITLE:	**Championship Communications**
Course Numbers: **415700** Grade Level: 9-12 Graduation Credit: ½ Elective	A speech class designed for athletes, this class is an in-depth look at how communication competency can enhance athletic accomplishments. Throughout the one-semester course we will cover interview skills, press conference procedures, nonverbal on and off the field, basic etiquette, social media awareness, and discuss the existence of elevated expectations for athletes from the outside world. Duration: 1 semester

	Prerequisite Students must have had a "C" or better in English the previous year to be eligible for this class. Students who are credit deficient in ENGLISH will not be accepted into this class.
COURSE TITLE:	**Public Speaking: Interpersonal & Non-Verbal Communication**
Course Numbers: **416800** Grade Level: 9-12 Graduation Credit: ½ Elective	This is a theory course designed to introduce students to differences in communication in social and professional settings and what type of communication is appropriate in different situations. Students will learn the value of possessing good people skills. This class does not require the student to prepare/present individual speeches. Duration: 1 semester Prerequisite: Students must have had a "C" or better in English the previous year to be eligible for this class. Students who are credit deficient in ENGLISH will not be accepted into this class.
COURSE TITLE:	**School Yearbook**
Course Numbers: **407100** Grade Level: 9-12 Graduation Credit: 1 Elective	Students in Yearbook will engage in the entire process of producing the current annual edition. Students will engage in all types of production activities including sales, advertising, writing copy, page layout, and use of various computer programs including word processing and desktop publishing. Previous experience in writing, journalism, desktop publishing, or photography is helpful but not required. Students will learn basics of journalism, design, photography, writing, and business. Prerequisite: Students must successfully complete the application process to be considered for a staff position. Students must have had a "B" or better in English the previous year to be eligible for this class. Students who are credit deficient in ENGLISH will not be accepted into this class.
COURSE TITLE:	**AP Seminar**
Course Numbers: **40451A** **40452A** Grade Level: 9-12 Graduation Credit: 1 Elective	Students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments and presentations. Students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Extensive out of class reading and writing is required in this course. Duration: 2 semesters Prerequisite: Must be a sophomore or junior, have a current GPA of 3.0 and receive recommendations from at least two current teachers; Standardized test scores will be considered to determine proficiency for entry.
COURSE TITLE:	**AP Research**
Course Numbers: **40461A** **40462A** Grade Level: 9-12 Graduation Credit: 1 Elective	AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4000–5000 words (accompanied by a

	performance or exhibition of product where applicable) and a presentation with an oral defense. Extensive out of class reading and writing is required in this course. Duration: 2 semesters Prerequisite: Student must successfully complete the AP Seminar course.
COURSE TITLE:	**Advanced Communications**
Course Numbers: **402110** **402120** Grade Level: 11-12 Graduation Credit: 1 Elective	Students will help solve real-world school and community problems and work in collaboration with school and community stakeholders. Through the use of questioning, researching and evaluating assigned problems, students will develop, plan, promote, and execute advanced communications campaigns to reach the target audience in an effort to solve the problem. Students must be willing to conduct research; create and present a variety of written and visual materials; network, organize, promote, and execute special events within the school and community; and work as part of a team. Duration: 2 semesters Prerequisites: Students must be entering their junior or senior year to enroll
COURSE TITLE:	**Advanced Communications II**
Course Numbers: **402110** **402120** Grade Level: 11-12 Graduation Credit: 1 Elective	Second-year students will take a leadership role to help solve real-world school and community problems and work in collaboration with school and community stakeholders. Through the use of questioning, researching and evaluating assigned problems, students will develop, plan, promote, and execute advanced communications campaigns to reach the target audience in an effort to solve the problem. Students must be willing to conduct research; create and present a variety of written and visual materials; network, organize, promote, and execute special events within the school and community; and work as leader of assigned project teams. Second-year students must also independently choose a community problem to solve using the knowledge learned in Project-Based Communications I Duration: 2 semesters Prerequisites: B or higher in Project-Based Communications I
COURSE TITLE:	**Newspaper**
Course Numbers: **406610** **406620** Grade Level: 9-12 Graduation Credit: 1 Elective	Students in Newspaper will engage in the entire process of producing the several editions throughout the school year. Students will engage in all types of production activities including sales, advertising, writing copy, page layout, and use of various computer programs including word processing and desktop publishing. Previous experience in writing, journalism, desktop publishing, or photography is helpful but not required. Students will learn basics of journalism, design, photography, writing, and business. An enjoyment of writing is desirable. Prerequisite: Students must successfully complete the application process to be considered for a staff position. Students must have had a "B" or better in English the previous year to be eligible for this class. Students who are credit deficient in ENGLISH will not be accepted into this class.

MATHEMATICS

COURSE TITLE:	**Algebra Support**
Course Numbers: **306010** **306020** Grade Level: 9 Graduation Credit: 1 Math	Mathematics taught in the ninth grade year is often referred to as "gatekeeper" content to higher level mathematics. Struggling ninth grade students may benefit from Algebra 1 Support. Some of the highest priority content for college and career readiness comes from Grades 6-8, Algebra 1 Support connects to the Algebra 1 content standards while including useful proficiencies such as applying ratio reasoning in real-world and mathematical problems, computing fluently with positive and negative fractions and decimals, and solving real-world and mathematical problems involving angle measure, area, surface area, and volume. Duration: 2 semesters Must be taken at the same time as Algebra I
COURSE TITLE:	**Algebra I**
Course Numbers: **306110** **306120** Grade Level: 9 Graduation Credit: 1 Math	Students in Algebra 1 will focus on units that deepen and extend understanding of linear and exponential relationships. They will also engage in methods for analyzing, solving, and using quadratic functions. Students will continue developing mathematical proficiency in a developmentally-appropriate progressions of standards. Duration: 2 semesters
COURSE TITLE:	**Algebra I Honors**
Course Numbers: **30611H** **30612H** Grade Level: 9 Graduation Credit: 1 Math	Students in Algebra 1 Honors will focus on units that deepen and extend understanding of linear and exponential relationships. They will engage in methods for analyzing, solving, and using quadratic functions. Algebra 1 Honors is designed to provide students with an in-depth level of instruction at an accelerated pace, covering additional topics. The course emphasizes critical thinking and real world problem solving. It is targeted to highly motivated students who have some understanding of Algebra. Duration: 2 semesters Prerequisite: Student must have teacher recommendation and B or above in 8th grade math.
COURSE TITLE:	**Geometry**
Course Numbers: **306210** **306220** Grade Level: 10 Graduation Credit: 1 Math	Students in Geometry will explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in other geometry classes. For example, transformations are emphasized early in this course. Students will continue developing mathematical proficiency in a developmentally-appropriate progressions of standards. Students will continue the skill progressions from previous courses. Duration: 2 semesters

COURSE TITLE:	**Geometry Honors**
Course Numbers: **30621H** **30622H** Grade Level: 9-10 Graduation Credit: 1 Math	Students in Geometry Honors will explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in other geometry classes. For example, transformations are emphasized early in this course. Students will continue developing mathematical proficiency in a developmentally-appropriate progressions of standards. Geometry Honors is designed to provide students with an in-depth level of instruction at an accelerated pace, covering additional topics. The course emphasizes critical thinking and real world problem solving. Duration: 2 semesters Prerequisite: Student must have teacher recommendation, passing standardized test scores, and B or above in Algebra I.
COURSE TITLE:	**Algebra II**
Course Numbers: **306310** **306320** Grade Level: 10-11 Graduation Credit: 1 Math	Students in Algebra II will build on their work with linear, quadratic, and exponential functions and extend their knowledge of functions to include polynomial, rational, and radical functions. Students will solve quadratic equations over the set of complex numbers and solve exponential equations using the properties of logarithms. Trigonometric functions will be introduced. Students will continue developing mathematical proficiency in a developmentally-appropriate progression of standards. Students will continue the skill progressions from previous courses. Duration: 2 semesters
COURSE TITLE:	**Algebra II Honors**
Course Numbers: **30631H** **30632H** Grade Level: 9-10 Graduation Credit: 1 Math	Students in Algebra II Honors will build on their work with linear, quadratic, and exponential functions and extend their knowledge of functions to include polynomial, rational, and radical functions. Students will solve quadratic equations over the set of complex numbers and solve exponential equations using the properties of logarithms. Trigonometric functions will be introduced. Students will continue developing mathematical proficiency in a developmentally-appropriate progression of standards. Algebra II Honors is designed to provide students with an in-depth level of instruction at an accelerated pace, covering additional topics. The course emphasizes critical thinking and real world problem solving. Duration: 2 semesters Prerequisite: Student must have teacher recommendation, passing standardized test scores, and B or above in Algebra I.

COURSE TITLE:	**Math III (LA) Liberal Arts**
Course Numbers: **301510** **301520** Grade Level: 10-11 Graduation Credit: 1 Math	The High School Math III course builds on the Math II course and offers a more personalized learning plan aligned to students' career aspirations – Math III LA, Math III STEM, or Math III TR. It is in Math III that students pull together and apply the accumulation of learning that they have from their previous courses, with content grouped into four critical areas, organized into units. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational and radical functions. They expand their study of right triangle trigonometry to include general triangles. Finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. Duration: 2 semesters Prerequisite: Math I & II
COURSE TITLE:	**Math III (STEM)**
Course Numbers: **301610** **301620** Grade Level: 10-11 Graduation Credit: 1 Math	The High School Math III course builds on the Math II course and offers a more personalized learning plan aligned to students' career aspirations – Math III LA, Math III STEM, or Math III TR. It is in Math III that students pull together and apply the accumulation of learning that they have from their previous courses, with content grouped into four critical areas, organized into units. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational and radical functions. They expand their study of right triangle trigonometry to include general triangles. Finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. Duration: 2 semesters Prerequisite: Math I & II

"We are what we repeatedly do. Excellence, therefore, is not an act, but a habit."

-Aristotle, Greek Philosopher

COURSE TITLE:	**Math III (TR) Technical Readiness**
Course Numbers: **301710** **301720** Grade Level: 10-11 Graduation Credit: 1 Math	The High School Math III course offers a more personalized learning plan aligned to students' career aspirations – Math III LA, Math III STEM, or Math III TR. It is in Math III that students pull together and apply the accumulation of learning from their previous courses. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational and radical functions. They expand their study of right triangle trigonometry to include general triangles. Finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. Duration: 2 semesters Prerequisite: Math I & II
COURSE TITLE:	**Transition Math <u>For Seniors</u>**
Course Numbers: **305210** **305220** Grade Level: 12 Graduation Credit: 1 Math	Transitional Math for Seniors prepares students for their entry-level credit-bearing liberal studies mathematics course at the post-secondary level. This course will solidify their quantitative literacy by enhancing numeracy and problem solving skills as they investigate and use the fundamental concepts of algebra, geometry, and introductory trigonometry. Duration: 2 semesters Prerequisite: Math III or teacher recommendation
COURSE TITLE:	**Math IV**
Course Numbers: **301810** **301820** Grade Level: 12 Graduation Credit: 1 Math	The fundamental purpose of Mathematics IV is to generalize and abstract learning accumulated through previous courses and to provide the final springboard to calculus. Students take an extensive look at the relationships among complex numbers, vectors, and matrices. They build on their understanding of functions, analyze rational functions using an intuitive approach to limits and synthesize functions by considering compositions and inverses. Students expand their work with trigonometric functions and their inverses and complete the study of the conic sections begun in Mathematics II. They enhance their understanding of probability by considering probability distributions. Previous experiences with series are augmented. Prerequisite: Math 3 STEM or non-Math major college bound Math 3 LA students
COURSE TITLE:	**Math IV (TR) Technical Readiness**
Course Numbers: **301910** **301920** Grade Level: 12 Graduation Credit: 1 Math	Math IV Technical Readiness builds from the mathematics content of Math III Technical Readiness through integration of career clusters. These courses integrate academics with hands-on career content. The collaborative teaching model is recommended based at our CTE centers. The involvement of a highly qualified Mathematics teacher and certified CTE teachers will ensure a rich, authentic and respectful environment for delivery of the academics in "real world" scenarios. Duration: 2 semesters Prerequisite: Math III TR

COURSE TITLE:	**College Algebra III Dual Credit**
Course Numbers: **30511H** **30512H** Grade Level: 10-12 Graduation Credit: ½ Math College Credit: WVU MATH 126	College Algebra III is worth 3 credits at WVU. This is a semester (half credit) course at JMHS. Marshall County pays for your textbook. Students pay class fees to WVU. This course follows WVU's calendar. Duration: 1 semester Prerequisite: Overall 3.0 average, "C" or better in Math I, Math II, and Math III and a passing grade on the WVU placement test.

COURSE TITLE:	**College Trigonometry Dual Credit**
Course Numbers: **30481H** **30482H** Grade Level: 10-12 Graduation Credit: ½ Math College Credit: WVU MATH 128	Worth 3 credits at WVU. This is a semester (half credit) course at JMHS. Marshall County pays for your textbook. Student pays class fees to WVU. This course follows WVU's calendar. Duration: 1 semester Prerequisite: College Algebra III Dual Credit

COURSE TITLE:	**Advanced Mathematical Modeling**
Course Numbers: **302510** **302520** Grade Level: 11-12 Graduation Credit: 1 Math	Students in Advanced Mathematical Modeling will continue to build upon their algebra and geometry foundations and expand their understanding through further mathematical experiences. The primary focal points of Advanced Mathematical Modeling include the analysis of information using statistical methods and probability, modeling change and mathematical relationships, mathematical decision making in finance, and spatial and geometric modeling for decision-making. As students work with these topics, they continually rely on mathematical processes, including problem-solving techniques, appropriate mathematical language and communication skills, connections within and outside mathematics and reasoning. Students also use multiple representations, technology, applications and modeling and numerical fluency in problem solving contexts. Duration: 2 semesters

COURSE TITLE:	**Statistics AP**
Course Numbers: **30331A** **30332A** Grade Level: 11-12 Graduation Credit: 1 Math	The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. Duration: 2 semesters Prerequisite: Math III Stem
COURSE TITLE:	**Calculus Advanced Placement AB**
Course Numbers: **30311A** **30312A** Grade Level: 11-12 Graduation Credit: 1 Math	Differential and integral calculus with application involving polynomial, exponential, logarithmic, and trigonometric functions. Homework is 1to1.5 hours per night. The major intent of this course is to guide students to take the Advanced Placement Exam in May, providing them with the opportunity to earn three hours college credit. Duration: 2 semesters Prerequisite: Math III Stem/ Pre-Calc/Trig
COURSE TITLE:	**Calculus Advanced Placement BC**
Course Numbers: **30321A** **30322A** Grade Level: 11-12 Graduation Credit: 1 Math	This course is an extension of the topics covered in Calculus AB, including arc-length, additional techniques of integration, improper integrals, and indeterminate forms. A thorough treatment is given to "infinite series," including Taylor, Maclaurin, and Power series. Parametric equations, polar coordinates, vector-valued functions, along with advanced topics on exponential growth and decay are also studied. Homework required is 1to1.5 hours per night. The major intent of this course is to guide students to take the Advanced Placement Exam in May, providing them with the opportunity to earn up to six hours college credit. Duration: 2 semesters Prerequisite: AP Calculus AB

SCIENCE

COURSE TITLE:	**Earth and Space Science**
Course Numbers: **620110** **620120** Grade Level: 9 Graduation Credit: 1 Science	A required lab science 9th grade level course in which students will focus on 5 major topics: Space Systems, History of Earth, Earth's Systems, Weather and Climate, and Human Sustainability. There is an emphasis on using engineering and technology concepts to design solutions to challenges facing human society. There is a focus on several scientific practices which include developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, constructing explanations and designing solutions. Students will engage in active inquires, investigations, and hands-on activities as they develop and demonstrate conceptual understandings and research and laboratory skills described in the objectives. Duration: 2 semesters
COURSE TITLE:	**Earth and Space Science Honors**
Course Numbers: **62011H** **62012H** Grade Level: 9 Graduation Credit: 1 Science	A required lab science 9th grade level course in which students will focus on 5 major topics: Space Systems, History of Earth, Earth's Systems, Weather and Climate, and Human Sustainability. There is an emphasis on using engineering and technology concepts to design solutions to challenges facing human society. There is a focus on several scientific practices which include developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, constructing explanations and designing solutions. Students will engage in active inquires, investigations, and hands-on activities as they develop and demonstrate conceptual understandings and research and laboratory skills described in the objectives. All topics studied in Earth and Space science will be examined in more depth in the honors course. A three day field trip to study the geology of WV is also a course requirement. The field trip will take place sometime in September or October. Duration: 2 semesters
COURSE TITLE:	**Biology**
Course Numbers: **602110** **602120** Grade Level: 10 Graduation Credit: 1 Science	A required lab science 10th grade level course that introduces the student to the life sciences. Topics covered include a focus on five life science themes: Structure and Function, Inheritance and Variation of Traits, Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems, and Natural Selection and Evolution. There is an emphasis on using engineering and technology concepts to design solutions to challenges facing human society. There is a focus on several scientific practices which include developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, constructing explanations and designing solutions. Students will engage in active inquiries, investigations, and hands-on activities as they develop and demonstrate conceptual understandings and research and laboratory skills described in the objectives. Duration: 2 semesters

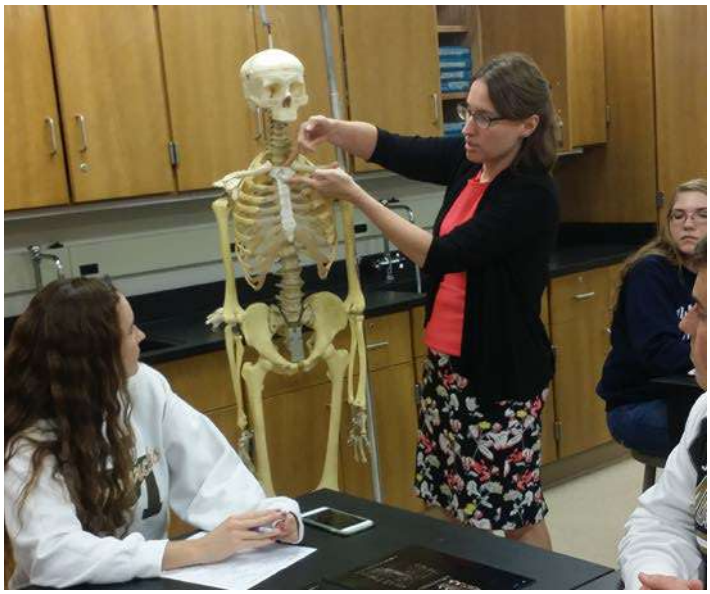
COURSE TITLE:	**Biology Honors**
Course Numbers: **60211H** **60212H** Grade Level: 10 Graduation Credit: 1 Science	A required lab science 10th grade level course (taken in lieu of Biology) that introduces the student to the life sciences. Topics covered include focus on five life science topics: Structure and Function, Inheritance and Variation of Traits, Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems, and Natural Selection and Evolution. There is an emphasis on using engineering and technology concepts to design solutions to challenges facing human society. There is a focus on several scientific practices which include developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, constructing explanations and designing solutions. Students will engage in active inquiries, investigations, and hands-on activities as they develop and demonstrate conceptual understandings and research and laboratory skills described in the objectives. All topics studied in Biology will be examined in more depth in the honors course. Formal lab report writing will be expected and a focus in the course as well. Duration: 2 semesters Prerequisite: Students must have teacher recommendation.
COURSE TITLE:	**Biology AP**
Course Numbers: **61211A** **61212A** Grade Level: 11-12 Graduation Credit: 1 Science	A highly intensive course that is tailored to the AP Biology Curriculum Framework that focuses on the major concepts in biology and connections. The course is designed so that students develop a deep conceptual understanding, as well an opportunity to integrate biological knowledge and science practices through inquiry-based activities and laboratory investigations without having to teach a textbook from cover to cover. A college text will be used in order to prepare students for success on the AP exam. Students are encouraged to take the Advanced Placement Examination, which may qualify them to earn college credit for their first year college biology course. Students who intend to pursue a medical/science career path OR who have excelled in academics and want to test out of freshman Biology in college should strongly consider taking this course. Courses that would be helpful to have taken or be taken concurrently, but are not required include: Chemistry I and Microbiology. Study time averages 1 hour per night. A summer assignment will be given in order to reduce the course-load throughout the year and is expected to be completed on time. A successful student in this course would demonstrate being very self-disciplined, hard-working, prepared, timely and on-task at all times. Duration: 2 semesters Prerequisite: Successful completion (A/B average) of Biology and appropriate math course. Students must have teacher recommendation.
COURSE TITLE:	**Chemistry I**
Course Numbers: **603110** **603120** Grade Level: 10-12 Graduation Credit: 1 Science	Chemistry I is intended to provide students with a basic background in chemistry and teach problem-solving techniques. Students will perform experiments relating to the covered topics. Students taking Chemistry 1 are encouraged to take Chemistry 2. This course is designed to prepare a student for college chemistry. Duration: 2 semesters Prerequisite: Successful completion of Algebra I.

COURSE TITLE:	**Chemistry I Honors**
Course Numbers: **60311H** **60312H** Grade Level: 10-12 Graduation Credit: 1 Science	Chemistry Honors is the first year of AP Chemistry and uses a college text to study basic concepts, atomic structure, energy changes in reactions and chemical bonding. Study time averages 1 to 2 hours per night. This class is difficult and requires a serious time commitment from the student in order to be successful. Well-developed problem solving skills are essential. Completion of summer assignment by due date is required. Duration: 2 semesters Prerequisite: Students must have teacher recommendation.
COURSE TITLE:	**Chemistry II**
Course Numbers: **603310** **603320** Grade Level: 11-12 Graduation Credit: 1 Science	Chemistry II is a continuation of Chemistry 1. This course covers reaction rates, equilibrium, acids and bases, and electrochemistry and places emphasis on laboratory skills. Duration: 2 semesters Prerequisite: Maintain at least a "C" average in Chemistry I.
COURSE TITLE:	**Chemistry AP**
Course Numbers: **63211A** **63212A** Grade Level: 11-12 Graduation Credit: 1 Science	This course uses a college text and is designed to prepare students for the AP Chemistry Exam and earn college credit for a first year college chemistry course. Homework study time averages 1½ to 2 hours per night. Completion of ALL summer assignments by due date is required. Students take Advanced Placement LAB concurrently with AP Chemistry. Duration: 2 semesters Prerequisite: Successful completion of Chemistry I Honors. Students must have teacher recommendation.
COURSE TITLE:	**Chemistry Lab AP**
Course Numbers: **63221A** **63222A** Grade Level: 11-12 Graduation Credit: 1 Science	This course uses college level texts and lab manuals to prepare students to pass the AP Chemistry exam. Homework and laboratory notebook reports average 3-5 hours of work outside of class time per week. Must be taken concurrently with Advanced Placement Chemistry. Duration: 2 semesters Prerequisite: Successful completion of Chemistry I Honors. Students must have teacher recommendation.

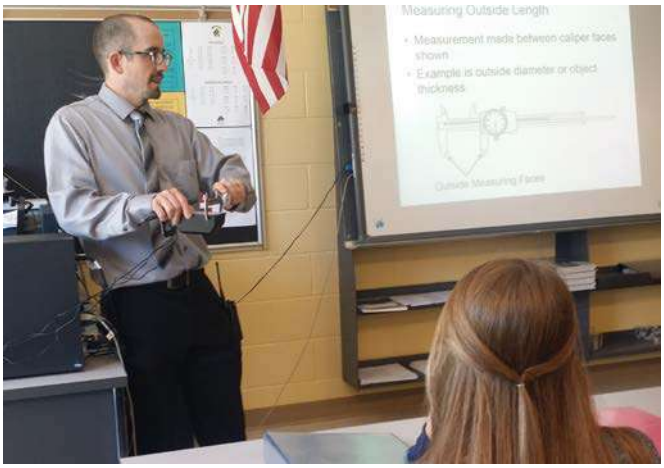
COURSE TITLE:	**General Physics**
Course Numbers: **604111** **604121** Grade Level: 11-12 Graduation Credit: 1 Science	This course provides a conceptually-based exposure to the fundamental principles and processes of the physical world. Topics may include basic concepts of motion, forces, energy, heat, electricity, magnetism, and the structure of matter and the universe. Laboratory experiments and computer-based exercises enhance and consolidate the understanding of basic physical principles and applications. This class is intended for those that are interested in physics but may not be going to college.
COURSE TITLE:	**Physics I**
Course Numbers: **604110** **604120** Grade Level: 11-12 Graduation Credit: 1 Science	Physics is designed for those planning careers in science, physical therapy, engineering, dentistry, pharmacology, etc. This course prepares students for college-level physics. Duration: 2 semesters Prerequisite: Successful completion of Algebra I and Geometry.
COURSE TITLE:	**Physics I AP**
Course Numbers: **63261A** **63262A** Grade Level: 11-12 Graduation Credit: 1 Science	This course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. Duration: 2 semesters Prerequisite: Successful completion of Algebra I and Geometry.
COURSE TITLE:	**Physics 2 AP**
Course Numbers: **63271A** **63272A** Grade Level: 12 Graduation Credit: 1 Science	This course is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. Duration: 2 semesters Prerequisite: Successful completion of Algebra I and Geometry.
COURSE TITLE:	**Earth Science**
Course Numbers: **620111** **620121** Grade Level: 9 Graduation Credit: 1 Science	Students will study weathering, rocks, minerals, plate tectonics, oceans, space, and weather. Students will use basic Algebra and build on topics covered in Physical Science and Biology. Duration: 2 semesters Prerequisite: 10th grade students may only take this course upon teacher recommendation.

COURSE TITLE:	**Physical Science**
Course Numbers: **601110** **601120** Grade Level: 10-12 Graduation Credit: 1 Science	This course is a general lab science that explores chemistry, physics, earth, and space sciences. This course is a third course option for a lab science. Duration 2 semesters
COURSE TITLE:	**Environmental Science**
Course Numbers: **631210** **631220** Grade Level: 11-12 Graduation Credit: 1 Science	This course builds on previous knowledge of chemical, physical, biological, and geological processes and focuses on the natural world. Students will develop an understanding of how humans affect and are affected by the environment. Students **must be trustworthy, independent workers, and will be required to go outside** to test the stream behind the school, identify native trees, and collect data for GLOBE which will be entered on the GLOBE website. Students will also use GIS to study watersheds. Duration: 2 semesters Prerequisite: Algebra I, Geometry, Chemistry (preferred)
COURSE TITLE:	**Forensic Science I**
Course Numbers: **606200** Grade Level: 11-12 Graduation Credit: ½ Science	This semester class is designed for students who desire a hands-on science course that integrates physics, chemistry, and biology. Students will use problem-solving skills, laboratory science, and content knowledge of all fields of science to solve hypothetical crimes. <u>This course can be counted as one of the three lab sciences required for graduation, but students must check with individual colleges to be sure it will be accepted.</u> Duration: 1 semester Prerequisite: Successful completion of Physical Science 9, Biology, and Geometry with a "C" average.
COURSE TITLE:	**Forensic Science II**
Course Numbers: **606300** Grade Level: 11-12 Graduation Credit: ½ Science	This semester class is designed for students who wish to continue working in a hands-on science course that integrates physics, chemistry, and biology. Students will use problem-solving skills, laboratory science, and content knowledge of all fields of science to solve hypothetical crimes at an advanced level. <u>This course can be counted as one of the three lab sciences required for graduation but students must check with individual colleges to be sure it will be accepted.</u> Duration: 1 semester Prerequisite: Successful completion of Physical Science 9, Biology, Geometry and Forensic Science I with a "C" average.

COURSE TITLE:	**Human Anatomy and Physiology Honors/EDGE**
Course Numbers: **6103E1** **6103E2** Grade Level: 12 Graduation Credit: 1 Science	This course is designed for students who plan to enter careers that require extensive knowledge of human anatomy and physiology, such as those expecting to continue in a medical or science-related career path. Standards are addressed in greater depth and with high levels of expectation. Students will investigate the structure and function of the human body and with an emphasis on laboratory work. This course studies the structure and function of the human body and the mechanisms for maintaining homeostasis within it. It includes the study of cells, tissues and various body systems (skeletal, cardiovascular, lymphatic, muscular, respiratory, digestive, and others). It also includes the concepts of development, metabolism, and fluid and electrolyte balance. This course uses dissection as an instructional activity. Community and technical college credit may be earned through the EDGE (Earn a Degree, Graduate Early) program. Duration: 2 semesters Prerequisite: Successful completion (B/C average) of Microbiology and/or Chemistry is recommended.



SCIENCE ELECTIVES



COURSE TITLE:	**Zoology**
Course Numbers: **627010** **627020** Grade Level: 11-12 Graduation Credit: 1 Elective	The Zoology elective builds on the biology core with added emphasis on animal taxa, basic body plans, symmetry, and behavior. This course encourages critical thinking, use of the scientific method, integration of technology, and application of knowledge and skills learned. A variety of learning opportunities will be utilized, including lecture/discussion, reading in the content area, written assignments, and laboratory exercises. Dissections are REQUIRED. This class is intended for students who plan to attend a 4-year college. This course will not count as one of the three lab sciences required for graduation. Duration: 2 semesters Prerequisite: Successful completion of Physical Science and Biology

COURSE TITLE:	**Microbiology**
Course Numbers: **616210** **616220** Grade Level: 11-12 Graduation Credit: 1 Science	This course studies microorganisms and genetics. It focuses on developing good microscope/lab skills and techniques by surveying various microorganisms. Students will complete a genetic component, including a *Drosophila* project, upon taking the course. This course is intended for students expecting to pursue a medical career path or a degree in science. <u>This course will not count as one of the three lab sciences required for graduation.</u> Duration: 2 semesters Prerequisite: "B" average in Biology

COURSE TITLE:	**Intro to Engineering (PLTW PATHWAY ENGINEERING)**
Course Numbers: **24611H** **24612H** Grade Level: 9-12 Graduation Credit: 1 Elective	Project Lead the Way engineering students engage in open-ended problem solving, learn and apply the engineering design process, and use the same industry leading technology and software as are used in the world's top companies. Students investigate topics such as aerodynamics and astronautics, biological engineering, environmental engineering, digital electronics and circuit design that give them the opportunity to learn about different engineering disciplines before beginning post-secondary education. Duration: 2 semesters

COURSE TITLE:	**Principles of Engineering (PLTW PATHWAY ENGINEERING)**
Course Numbers: **24631H** **24632H** Grade Level: 9-12 Graduation Credit: 1 Elective	Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. **THIS COURSE CAN BE A 3RD YEAR LAB SCIENCE.** Duration: 2 semesters Prerequisite: Students must have passed Intro to Engineering
COURSE TITLE:	**Civil Engineering and Architecture (PLTW PATHWAY ENGINEERING)**
Course Numbers: **24661H** **24662H** Grade Level: 9-12 Graduation Credit: 1 Elective	Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software. In addition, as students work in teams to design and test solutions, they're empowered develop in-demand, transportable skills like collaboration, critical thinking, and communication. Prerequisite: Students must have passed Intro to Engineering and POE. Duration: 2 semesters
COURSE TITLE:	**Engineering Design and Development (PLTW PATHWAY ENGINEERING CAPSTONE)**
Course Numbers: **24641H** **24642H** Grade Level: 11-12 Graduation Credit: 1 Elective	The knowledge and skills students acquire throughout PLTW Engineering come together in Engineering Design and Development as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing Engineering Design and Development ready to take on any post-secondary program or career. Duration: 2 semesters Prerequisite: Students must have passed Intro to Engineering, POE, and a third course engineering elective.
COURSE TITLE:	**Principles of Biomedical Science (PLTW PATHWAY BIOMEDICAL)**
Course Numbers: **07271H** **07272H** Grade Level: 9-12 Graduation Credit: 1 Elective	In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. Duration: 2 semesters

COURSE TITLE:	**Computer Science Principles (PLTW PATHWAY CS)**
Course Numbers: **14101H** **14102H** Grade Level: 9-12 Graduation Credit: 1 Elective	Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP). This endorsement affirms that all components of PLTW CSP's offerings are aligned to the AP Curriculum Framework standards and the AP CSP assessment. This course can be a third course elective for the engineering pathway. Duration: 2 semesters
COURSE TITLE:	**Introduction to Computer Sciences (PLTW PATHWAY CS)**
Course Numbers: **14081H** **14082H** Grade Level: 9-12 Graduation Credit: 1 Elective	Designed to be the first computer science course for students who have never programmed before, Introduction to Computer Science is an optional starting point for the PLTW Computer Science program. Students work in teams to create apps for mobile devices using MIT App Inventor®. They explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond learning the fundamentals of programming, students build computational-thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis. In addition, students transfer the understanding of programming gained in App Inventor to text-based programming in Python® and apply their knowledge to create algorithms for games of chance and strategy.

"Science is fun. Science is curiosity. We all have natural curiosity. Science is a process of investigating. It's posing questions and coming up with a method. It's delving in."

Sally Ride
American Physicist, Astronaut

SOCIAL STUDIES

COURSE TITLE:	**World Studies**
Course Numbers: **701010** **701020** Grade Level: 9 Graduation Credit: 1 Social Studies	The course emphasizes the historic economic, geographic, political, and social structure of various cultural regions of the world from the dawn of civilization to the 20th Century. Special attention is given to the formation and evolution of societies into complex political and economic systems. Duration: 2 semesters
COURSE TITLE:	**World Studies Honors**
Course Numbers: **70101H** **70102H** Grade Level: 9 Graduation Credit: 1 Social Studies	The course emphasizes the historic, economic, geographic, political, and social structure of various cultural regions of the world from the dawn of civilization to the 20th Century. Special attention is given to the formation and evolution of societies into complex political and economic systems. The Honors course requires well-developed reading, writing, and research skills. Students should be highly motivated and are expected to participate in class. Duration: 2 semesters Prerequisite: "A" or "B" average in 8th grade West Virginia History and teacher/counselor recommendation.
COURSE TITLE:	**World Studies AP**
Course Numbers: **70481A** **70482A** Grade Level: 9 Graduation Credit: 1 Social Studies	The AP World History course focuses on developing students' understanding of the world history from approximately 8000 BCE to the present. This college-level course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania. Duration: 2 semesters Pre-Requisite: Must demonstrate ability in English to read and comprehend college-level texts and demonstrate interest and achievement in history. Teacher recommendation necessary.

COURSE TITLE:	**U.S. Studies**
Course Numbers: **700910** **700920** Grade Level: 10 Graduation Credit: 1 Social Studies	This course studies the forming of the United States from the Pre-Columbian civilizations to its transformation as a dominant political and economic influence in the world at the beginning of the 20th Century. Special emphasis is placed on the evolution of the Constitution, and how the challenges of settling expansive and widely-differing environments were met by a diverse population. Duration: 2 semesters
COURSE TITLE:	**European History AP**
Course Numbers: **70451A** **70452A** Grade Level: 10-12 Graduation Credit: 1 Social Studies	The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. This course also develops context for understanding the expansion of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. Duration: 2 semesters Prerequisite: World Studies Honors is recommended.
COURSE TITLE:	**Contemporary Studies**
Course Numbers: **701110** **701120** Grade Level: 11 Graduation Credit: 1 Social Studies	The focus of this course is on America and its role in the world from 1914 to the present. Themes of study include American reform movements, cultural values, economic and technological development, geography and environment, diversity, conflict, democratic principles, and global interdependency. Duration: 2 semester
COURSE TITLE:	**Contemporary Studies: Dual Credit**
Course Numbers: **70111X** **70112X** Grade Level: 11 Graduation Credit: 1 Social Studies College Credit: Bethany HIST 202	The focus of this course is on America and its role in the world from 1914 to the present. Themes of study include American reform movements, cultural values, economic and technological development, geography and environment, diversity, conflict, democratic principles, and global interdependency. Duration: 2 semester

COURSE TITLE:	**U.S. History AP**
Course Number: **70461A** **70462A** Grade Level: 11 Graduation Credit: 1 Social Studies	The course will cover U.S. history from the pre-Columbian era to the present. Students will examine American political institutions and behavior, public policy, social and economic change, diplomacy and international relations, and cultural and intellectual developments. The AP course uses a college-level text and requires well-developed reading, writing, and research skills. Students should be highly motivated and are expected to participate in class. The course requires a minimum of 5 hours of homework per week. Duration: 2 semesters Prerequisite: "A" or "B" average in Social Studies and teacher/counselor recommendation.
COURSE TITLE:	**Government & Politics: Comparative AP**
Course Numbers: **70431A** **70432A** Grade Level: 11-12 Graduation Credit: 1 Social Studies	In this course, students develop an understanding of fundamental concepts used by political scientists to study the processes and outcomes of politics in China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Students will learn to compare and contrast the political institutions of those nations as well as analyze and interpret relevant basic data. This is an expansion of what is learned in U.S. Government and Politics AP, although highly motivated juniors are encouraged to take the class as well. Course may require an average of 3 hours of homework per week. Duration: 2 semesters Prerequisite: "A" or "B" average in Social Studies and teacher/counselor recommendation.
COURSE TITLE:	**Government & Politics: U.S. AP**
Course Numbers: **70441A** **70442A** Grade Level: 11-12 Graduation Credit: 1 Social Studies	This advanced course examines constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties, interest groups and mass media, institutions of national government, public policy, civil rights, and civil liberties. Fundamental economic principles and personal finance issues are included (as required by the state). The AP course is taught with college-level texts and requires well-developed reading, writing, and research skills. Students should be highly motivated and are expected to participate in class. Course requires an average of 3-5 hours of homework per week. Duration: 2 semesters Prerequisite: Should be taken along with AP English Language. "A" or "B" average in social studies recommended.
COURSE TITLE:	**Civics for the Next Generation**
Course Numbers: **703110** **703120** Grade Level: 12 Graduation Credit: 1 Social Studies	In this course, students develop the knowledge, skills and dispositions to engage in civic life. The two broad areas of study are government and politics, civic life, and personal finance. Special emphasis is placed on analysis of the personal, political and economic roles of responsible citizens in American democracy. Duration: 2 semesters

SOCIAL STUDIES ELECTIVES

COURSE TITLE:	**A Remembrance of Horror: Nazi Germany & Other Genocides**
Course Numbers: **714900** Grade Level: 11-12 Graduation Credit: ½ Elective	This course is a detailed examination of the programs of persecution and mass murder carried out by the Nazi German regime between 1917 and 1945. Several themes will be prominent throughout the semester. First, we will examine and try understand when and how policies of exclusion can be transformed into a systematic program of murder. In this regard, we will examine not only the development of Nazi Germany as a "racial state," but also the role of ideologies, such as anti-Semitism, nationalism, and racism, in shaping policies of exclusion in Germany and elsewhere in Europe. Second, we will focus on the place of the Holocaust in European, and not only German, history. The events we associate with the Holocaust took place across the continent of Europe and were shaped by local histories; throughout the course, we will pay close attention to the interaction between Germans, Jews, and non-German native populations. Third, we will try to understand how eyewitness memories, historical research, and media representations all shape our contemporary understanding of what the Holocaust was and why it seems so important to us today. The mass murder of European Jews will be the central focus of this course. We will, however, also discuss programs of discrimination and murder carried out against other groups (e.g. Roma, the disabled, and Poles) and attempt to place these phenomena within the context of Nazi German and other nations' racial policies. Duration: 1 semester
COURSE TITLE:	**iWorld I & II**
Course Numbers: **461100** Grade Level: 11-12 Graduation Credit: ½ Elective	This elective is offered to students wanting to be more aware of problems around the world and in the United States that deal with issues such as war, poverty, human rights and genocide. This is a high interest, investigative course where much of the content will be developed by students and their teacher as a team. This is designed as a humanities course to engage student interest and discussions in areas of literature, arts, history, health and politics, and includes multimedia resources such as music and movies. Duration: 1 semester

“Nothing is impossible, the word itself says 'I'm possible'!”

-Audrey Hepburn

Actress

COURSE TITLE:	**Pop Culture I & II**
Course Numbers: **724310** **724320** Grade Level: 11-12 Graduation Credit: ½ Elective	*Rock and Roll: An American Story* is an online resource that focuses on different eras of American popular music and will be employed throughout the course. Students will examine the roots of Rock and Roll and its foundation in Southern Blues, Jazz, and Country music. In addition, a variety of film genres that have had a significant impact on popular culture will be reviewed and analyzed. Students will utilize numerous forms of technology, create music videos, and research movements that have affected trends from television to clothing. Duration: 1 semester
COURSE TITLE:	**Psychology AP**
Course Numbers: **70471A** **70472A** Grade Level: 12 Graduation Credit: 1 Elective	This more demanding course picks up where Psychology I ends. Units of the second semester include sensation and perception, personality, cognition, testing and individual differences, abnormal psychology, treatment of psychological disorders, and social psychology. The pace of the course is faster, with more vocabulary and more writing assignments. Students are required to be highly motivated and enthusiastic participants in class. The course requires a minimum of 5 hours of study time per week. Duration: 2 semesters Prerequisite: “A” or “B” average in Social Studies and Science, or teacher/counselor recommendation.
COURSE TITLE:	**Sports History**
Course Numbers: **733200** Grade Level: 10-12 Graduation Credit: ½ Elective	This semester class covers material and offers discussion about the origins and history of specific sports from the ancient Greeks through modern times. Special topics related to sports, such as sportsmanship, racial integration, Title IX legislation, and steroids will be discussed. Tests, book reviews, and research papers are required. Web research will be incorporated, as well as related videos. Duration: 1 semester
COURSE TITLE:	**Appalachian Culture A/B**
Course Numbers: **736100**	This course is offered in the Fall semester with "Part A" offered in even-numbered years and "Part B" in odd-numbered years.

Grade Level: 9-12 Graduation Credit: ½ Elective	Part A topics include geography, nature, superstitions, architecture, Native American tribes, early settlers, later immigrants, Marshall County history, genealogy, crafts, toys and games. Part B topics include stereotypes, language, humor, folktales, music, food, medicine, economics, politics, religion, and literature (including the reading of Moundsville author Davis Grubb's class "Night of the Hunter). Duration: 1 semester
COURSE TITLE:	**Travel West Virginia**
Course Numbers: **766300** Grade Level: 9-12 Graduation Credit: ½ Elective	This course combines the study of West Virginia history, geography, culture, marketing, and career options. Students learn about the state tourism industry and the opportunities provided by the industry. Trips to several West Virginia tourist sites are the highlight of the course. Duration: 1 semester
COURSE TITLE:	**Psychology**
Course Numbers: **732110** Grade Level: 12 Graduation Credit: ½ Elective	The course covers the history and theories of psychology, research methods, biological bases of behavior, states of consciousness, learning, memory, motivation and emotion, and developmental psychology. Students will develop the reading, studying, and note-taking skills required for success in college classes. The tests are challenging and will require 3 to 5 hours of study time per week. Students are required to be enthusiastic participants in class. Duration: 1 semester Prerequisite: "A" or "B" average in Social Studies is strongly recommended.
COURSE TITLE:	**Sociology**
Course Numbers: **734100** Grade Level: 12 Graduation Credit: ½ Elective	This course is designed to introduce students to the basic principles of sociology. In addition, research into the social issues of our times is stressed. The Sociology course is taught with a college-level text and requires well-developed reading, writing, and research skills. Students should expect to spend approximately 5 hours per week on outside reading. Duration: 1 semester Prerequisite: "A" or "B" average in Social Studies is strongly recommended.
COURSE TITLE:	**Geography**
Course Numbers: **703300** Grade Level: 9-12 Graduation Credit: ½ Elective	Geography courses provide an overview of world geography, but may vary widely in topic coverage. Possible topics include the physical environment; the political landscape; the relationship between people and land; economic production and development; and the movement of people, goods, and ideas.

HEALTH/PHYSICAL EDUCATION

COURSE TITLE:	**Health 9**
Course Numbers: **690901** Grade Level: 9-12 Graduation Credit: ½ Health	Health 9 is designed to explore the issues that currently are important to the daily lives of students. Main topics emphasized include leading a healthy life, self-esteem, stress management, drug, alcohol and tobacco abuse, nutrition and physical fitness. Duration: 1 semester
COURSE TITLE:	**Health 10**
Course Numbers: **690902** Grade Level: 9-12 Graduation Credit: ½ Health	Health 10 is designed to teach ways to improve and prolong mental, physical and social well-being through a wellness and holistic approach. Main topics emphasized; you are responsible for your own health, mental and social health, family and interpersonal relationships, marriage, building relationships, sexually transmitted diseases, stress management, drug, alcohol, and tobacco abuse. Duration: 1 semester Prerequisite: Health 9
COURSE TITLE:	**PE High School 9**
Course Numbers: **660901** Grade Level: 9 Graduation Credit: ½ Physical Education	This is a semester course designed to give students an overview of various lifetime sports. All students MUST participate and complete the Fitness Gram Physical Education Fitness Test mandated by the State of West Virginia. Grade is based on participation in class, dressing for class in approved gym attire, behavior and sportsmanship. Duration: 1 semester Prerequisite: All incoming freshmen will be scheduled into this course.
COURSE TITLE:	**PE High School 10**
Course Numbers: Grade Level: 10 Graduation Credit: ½ Physical Education	This is a semester course designed to give students an overview of various lifetime sports. All students MUST participate and complete the Fitness Gram Physical Education Fitness Test mandated by the State of West Virginia. Grade is based on participation in class, dressing for class in approved gym attire, behavior and sportsmanship. Duration: 1 semester Prerequisite: All sophomores will be scheduled into this course.

"I cannot accept failure, everyone fails at something. But I can't accept not trying."

-Michael Jordan
Former professional basketball player, entrepreneur, and principal owner and chairman of the Charlotte Hornets

COURSE TITLE:	**PE High School 10 – Topics**
Course Number: **6609** Grade Level: 10-12 Graduation Credit: ½ Physical Education	Pick 1st choice, 2nd choice, 3rd choice (courses only offered if enough student interest) A. Aerobics and Dance – This is a semester course designed to give students flexibility to increase their levels of fitness by incorporating music. Areas of concentration include: Cardio vascular, flexibility, muscle endurance and muscle strength. B. Team Sports – This is a semester course designed to give students the opportunity to participate in various team activities. Area of concentration will be basic instruction, technique, rules, and sportsmanship necessary for participating in team sports. Activities will include basketball, flag football, volleyball, kickball, whiffle ball and handball. Other team sports will be included throughout the semester. C. Walking/Jogging – This is a semester course designed to give students the flexibility of developing a personal cardio vascular fitness program. Students will use pedometers to keep track of steps and distance. Various other techniques will be used throughout the semester. D. Weight Training/Fitness – This is a semester course designed for the novice student who wants to learn the proper techniques of weight training. Students will learn how to develop a personal weight lifting program. Other fitness activities will be done throughout the semester. E. Yoga- This semester course is designed to give students the opportunity to participate in yoga exercises. This class will present techniques in yoga. Enjoy the benefits yoga and core training can provide by participation in this class. Areas of focus will be on low impact activities to improve overall flexibility, strength, core and cardiovascular endurance. Reduction of stress and increased ability to focus is an added benefit that typically coincides with yoga practice. Duration: 1 semester Prerequisite: Must have passed PE High School 9.

HEALTH/PHYSICAL EDUCATION ELECTIVES

COURSE TITLE:	**Driver's Education**
Course Numbers: **681100** Grade Level: 10-12 Graduation Credit: ½ Elective	This course is designed to teach and encourage safe driving habits and to develop defensive driving techniques as a lifelong principle for safe vehicle operation. Enrollment is limited, so preference will be made based upon grade level (seniors, juniors, and then sophomores). A Learner's Permit is NOT required. Duration: 1 semester
COURSE TITLE:	**Sports Medicine I & II**
Course Numbers: **693310 (Year)** **693320 (Year)** Grade Level: 11-12 Graduation Credit: 1 Elective	This course is designed to familiarize the student with the field of Athletic Training. It will allow students to develop an awareness of the current and proper techniques for the prevention, care, and rehabilitation of athletic injuries. Duration: 2 semesters
COURSE TITLE:	**Fitness/Conditioning Activities**
Course Numbers: **670900** Grade Level: 11-12 Graduation Credit: ½ Elective	This class is designed to keep student athletes or non athletes in good physical condition by participating in various cardio workouts. Areas of concentration include: speed, agility, endurance and flexibility. Duration: 1 semester Prerequisite: Must have passed PE High School 9 and PE High School 10.
COURSE TITLE:	**Recreational Sport/Advanced Physical Education**
Course Numbers: **674100** Grade Level: 11-12 (Seniors given priority) Graduation Credit: ½ Elective	Class is designed for students who enjoy participating in individual and team sports, recreational activities, and outdoor sports. Grade is based on participation, dressing in approved gym clothes, behavior and sportsmanship. Duration: 1 semester Prerequisite: Must have passed PE High School 9 and PE High School 10.
COURSE TITLE:	**Weight Training**
Course Numbers: **676500** Grade Level: 10-12 Graduation Credit: ½ Elective	This course will allow the student to create an individual weight lifting program. Daily participation, dressing in approved gym clothes, and attendance is the basis of grades. Duration: 1 semester Prerequisite: Must have passed PE High School 9.
COURSE TITLE:	**Life Fitness Education**
Course Numbers: **673300** Grade Level: 9-12 Graduation Credit: ½ Elective	This class is designed for students that have a desire to learn about the benefits and importance of exercise, how to properly exercise, proper nutrition, and about general wellness. Students will be expected to do class work as well as participation in various exercises and activities. Duration: 1 semester

FINE ARTS (PERFORMING and VISUAL) COURSES

	Vocal and Instrumental Music Courses
COURSE TITLE:	**Band I**
Course Numbers: **361110** **361120** Grade Level: 9 Graduation Credit: 1 Fine Arts/Elective	Students will prepare selected marching and concert band music for performances and festivals. Students are required to be enrolled in band in order to audition for All-State band or to participate in Solo-N-Ensemble or Regional Honors Band. Practice outside of school hours may be required. Students will be required to attend all scheduled rehearsals and performances during school and outside curricular time. Duration: 2 semesters
COURSE TITLE:	**Band II**
Course Numbers: **361210** **361220** Grade Level: 10 Graduation Credit: 1 Fine Arts/Elective	Students will prepare selected marching and concert band music for performances and festivals. Students are required to be enrolled in band in order to audition for All-State band or to participate in Solo-N-Ensemble or Regional Honors Band. Practice outside of school hours may be required. Students will be required to attend all scheduled rehearsals and performances during school and outside curricular time. Duration: 2 semesters Prerequisite: Band I
COURSE TITLE:	**Band III**
Course Numbers: **361310** **361320** Grade Level: 11 Graduation Credit: 1 Fine Arts/Elective	Students will prepare selected marching and concert band music for performances and festivals. Students are required to be enrolled in band in order to audition for All-State band or to participate in Solo-N-Ensemble or Regional Honors Band. Practice outside of school hours may be required. Students will be required to attend all scheduled rehearsals and performances during school and outside curricular time. Duration: 2 semesters Prerequisite: Band II
COURSE TITLE:	**Band III Honors**
Course Numbers: **36131H** **36132H** Grade Level: 11 Graduation Credit: 1 Fine Arts/Elective	This class has more requirements than the normal class including performance, written, and/or attendance tasks associated with it. See Mrs. Filben for more details. Students will be required to attend all scheduled rehearsals and performances during school and outside curricular time. Duration: 2 semesters Prerequisite: Band II

COURSE TITLE:	**Band IV**
Course Numbers: **361410** **361420** Grade Level: 12 Graduation Credit: 1 Fine Arts/Elective	Students will prepare selected marching and concert band music for performances and festivals. Students are required to be enrolled in band in order to audition for All-State band or to participate in Solo-N-Ensemble or Regional Honors Band. Students will be required to attend all scheduled rehearsals and performances during school and outside curricular time. Duration: 2 semesters Prerequisite: Band III
COURSE TITLE:	**Band IV Honors**
Course Numbers: **36141H** **36142H** Grade Level: 12 Graduation Credit: 1 Fine Arts/Elective	This class has more requirements than the normal class including performance, written, and/or attendance tasks associated with it. <u>See Mrs. Filben for more details.</u> Students will be required to attend all scheduled rehearsals and performances during school and outside curricular time. Duration: 2 semesters Prerequisite: Band III
COURSE TITLE:	**Steel Drum Band**
Course Numbers: **374210** **374220** Grade Level: 9-12 Graduation Credit: 1 Fine Arts/Elective	Open to any band student or with permission from Mrs. Filben. Students will be required to attend all scheduled rehearsals and performances during school and outside curricular time. Duration: 2 semesters
COURSE TITLE:	**Jazz Band**
Course Numbers: **371210** **371220** Grade Level: 9-12 Graduation Credit: 1 Fine Arts/Elective	Jazz band is a performance-based ensemble which studies and performs various genres of music. Students will be required to attend all scheduled rehearsals and performances during school and outside curricular time. Duration: 2 semesters
COURSE TITLE:	**Chorus 1 - Beginning**
Course Numbers: **362110** **362120** Grade Level: 9 Graduation Credit: 1 Fine Arts/Elective	The course is open to any interested freshman student. The course develops individual vocal techniques and basic music concepts. Class participation and performances are part of the grade. This group will combine to perform with the concert choir. Duration: 2 semesters

COURSE TITLE:	**Chorus 2 - Intermediate**
Course Numbers: **362210** **362220** Grade Level: 10 Graduation Credit: 1 Fine Arts/Elective	The course is open to any interested sophomore student. The course develops individual vocal techniques and basic music concepts. Class participation and performances are part of the grade. Duration: 2 semesters
COURSE TITLE:	**Chorus 3 - Advanced**
Course Numbers: **362310** **362320** Grade Level: 11 Graduation Credit: 1 Fine Arts/Elective	The course is open to any interested junior student. The course develops individual vocal techniques and basic music concepts. Class participation and performances are part of the grade. Duration: 2 semesters
COURSE TITLE:	**Chorus 4**
Course Numbers: **362410** **362420** Grade Level: 12 Graduation Credit: 1 Fine Arts/Elective	The course is open to any interested senior student. The course develops individual vocal techniques and basic music concepts. Class participation and performances are part of the grade. Duration: 2 semesters
COURSE TITLE:	**Monarch Choir**
Course Numbers: **377010** **377020** Grade Level: 9-12 Graduation Credit: 1 Fine Arts/Elective	Students will study advanced choral literature and technique. Students should have prior choral experience. Because class participation and performances are part of the grade, students with questionable attendance records may not be allowed to take this class. Duration: 2 semesters Prerequisite: By Audition Only

COURSE TITLE:	**Music Theory/Instrumental Music (Woodwind, Percussion, Brass)**
Course Numbers: **375600** Grade Level: 9-12 Graduation Credit: ½ Fine Arts/Elective	Students will be instructed in the fundamentals of written music theory. The course is designed to prepare instrumental, vocal, piano, and string students for college theory. Duration: 1 semester
COURSE TITLE:	**Piano I**
Course Numbers: **368100** Grade Level: 9-12 Graduation Credit: ½ Fine Arts/Elective	Beginning instruction in piano for the novice. Students must pass each level to advance to the next level. Duration: 1 semester
COURSE TITLE:	**Piano II**
Course Numbers: **368200** Grade Level: 9-12 Graduation Credit: ½ Fine Arts/Elective	Intermediate instruction in Piano Duration: 1 semester Prerequisite: Piano I
COURSE TITLE:	**Piano III**
Course Numbers: **368300** Grade Level: 10-12 Graduation Credit: ½ Fine Arts/Elective	Instruction for advanced Piano students. Duration: 1 semester Prerequisite: Piano II
COURSE TITLE:	**Piano IV**
Course Numbers: **368400** Grade Level: 10-12 Graduation Credit: ½ Fine Arts/Elective	Instruction for advanced Piano students. Duration: 1 semester Prerequisite: Piano III

"Where words fail, music speaks."

-Hans Christian Andersen
Author

COURSE TITLE:	**Orchestra I**
Course Numbers: **376400** Grade Level: 9-12 Graduation Credit: 1 Fine Arts/Elective	This class will be taught during the school day to students who have experience playing violin, viola, cello, or bass. Students will be required to attend all scheduled rehearsals and performances during school and outside curricular time. Duration: 2 semesters
COURSE TITLE:	**Orchestra II**
Course Numbers: **376500** Grade Level: 9-12 Graduation Credit: 1 Fine Arts/Elective	Instruction for advanced Strings students in the second year. Duration: 2 semesters Prerequisite: Orchestra I
COURSE TITLE:	**Orchestra III**
Course Numbers: **377600** Grade Level: 9-12 Graduation Credit: 1 Fine Arts/Elective	Instruction for advanced Strings students in the third year. Duration: 2 semesters Prerequisite: Orchestra II
COURSE TITLE:	**Orchestra IV**
Course Numbers: **377700** Grade Level: 9-12 Graduation Credit: 1 Fine Arts/Elective	Instruction for advanced Strings students in the fourth year. Duration: 2 semesters Prerequisite: Orchestra III
	Visual Arts
COURSE TITLE:	**Art I**
Course Numbers: **321110** **321120** Grade Level: 9-12 Graduation Credit: 1 Fine Arts/Elective	Students produce two-dimensional and three-dimensional artworks using a variety of media, techniques, technology, and processes. They use verbal and written formats to relate art skills and strategies to other disciplines, various cultures, major art movements and historical periods. Students will practice responsible workplace skills and review career options and study the concept of art criticism. They will critique and analyze artworks in verbal and written formats. Duration: 2 semesters

COURSE TITLE:	**Art II**
Course Numbers: **321210** **321220** Grade Level: 10-12 Graduation Credit: 1 Fine Arts/Elective	General Art 2 is a continuation of the concepts presented in General Art I with a focus on developing greater skill in handling various media, and the expression of individual ideas through artworks. Artistic concepts will be discussed such as the use of themes and personal motifs and symbols in artworks. The art of various cultures and their effect on our own culture will be explored. Career opportunities will be discussed and portfolio development will begin. Duration: 2 semesters Prerequisite: Pass both semesters of Art I.
COURSE TITLE:	**Art III**
Course Numbers: **321310** **321320** Grade Level: 11-12 Graduation Credit: 1 Fine Arts/Elective	General Art 3 builds on previous content standards with a more in-depth approach. Students analyze art from various cultures visually, verbally, and in written form. Students examine and relate various themes and purposes of art forms to the total educational process. They study art history, criticism, and aesthetics in relation to individually selected artworks and develop a personal philosophy of art. The students develop personal portfolios which include products and critiques. Duration: 2 semesters Prerequisite: Successfully complete Art I and Art II

"The truth of the matter is that you always know the right thing to do. The hard part is doing it."

-Norman Schwarzkopf
United States Central Command, Persian Gulf War

COURSE TITLE:	**Art IV**
Course Numbers: **321410** **321420** Grade Level: 12 Graduation Credit: 1 Fine Arts/Elective	In General Art 4 students develop and clarify their philosophy of art and art making through in-depth explorations with media, techniques and processes. Students expand and refine a portfolio reflecting a broad base of knowledge in the arts. Students focus on value and drawing skill and the necessary steps to achieve a portfolio for college. Duration: 2 semesters Prerequisite: Successfully complete Art I, Art II and Art III or be a senior planning on majoring in Art in college.

COURSE TITLE:	**Printmaking/Graphics**
Course Numbers: **334910** **334920** Grade Level: 10-12 Graduation Credit: 1 Fine Arts/Elective	This studio art course is an introduction to the world of Graphic Design. The course content will include the development of design skills, technical use of the material, and concept development through verbal and visual methods. Calligraphy and typography will be included in the Graphic program. Duration: 2 semesters
COURSE TITLE:	**Ceramics/Pottery**
Course Numbers: **330710** **330720** Grade Level: 11-12 Graduation Credit: 1 Fine Arts/Elective	This is a studio art class that introduces the foundations of hand-built and wheel-thrown pottery. Students will explore in depth, the properties and terminology associated with clay, various forming and decorating techniques and the history of clay in various cultures. Class evaluation includes hand-built and wheel thrown projects, class participation, textbook readings, essay tests, and written assignments. Students will get dirty from the clay and fingernails must be kept short. Consistent attendance and extra work outside of the regular class hours are important for success in this class. Student must be able to work independently. Duration: 2 semesters Prerequisite: Art 1
COURSE TITLE:	**Pottery II**
Course Numbers: **330810** **330820** Grade Level: 12 Graduation Credit: 1 Fine Arts/Elective	This is a studio art class that builds on the foundations of wheel-thrown pottery covered in Pottery 1. Students must have mastered basic throwing skills in Pottery 1 and be self-motivated to explore various shapes for wheel-thrown pots, glazing techniques and follow individual interests in working with clay on the potter's wheel. Class evaluation wheel thrown projects, glaze formulations, class participation, textbook readings, essay tests, and written assignments. Students will get dirty from the clay and fingernails must be kept short. Consistent attendance and extra work outside of the regular class hours are important for success in this class. Ability to work independently required. Duration: 2 semesters Prerequisite: Ceramics/Pottery

	Performing Arts
COURSE TITLE:	**Theatre I/Theatre II**
Course Numbers: **380110** **380220** Grade Level: 10-12 Graduation Credit: 1 Fine Arts/Elective	Students interested in pursuing oral communications, TV, radio, film, public relations, or theatre will find this course an interesting introduction. Content includes the structure, varieties, history and evaluation of drama, voice & diction, improvisation, and mime, and gaining self-confidence. Duration: 2 semesters Prerequisite: "C" or higher grade upon completing English Language Arts 9.
COURSE TITLE:	**Theatre III/Theatre IV**
Course Numbers: **380310** **380420** Grade Level: 10-12 Graduation Credit: 1 Fine Arts/Elective	A look into the production aspects of modern theatre. Content includes fundamentals of play production, stage settings, lighting, basic costuming & make-up, as well as musical production. Duration: 2 semesters Prerequisite: Theatre I and Theatre II

FOREIGN LANGUAGE

COURSE TITLE:	**Spanish I**
Course Numbers: **566110** **566120** Grade Level: 9-12 Graduation Credit: 1 Foreign Language/Elective	Students develop oral and written communication skills with an emphasis on listening, speaking, and writing to prepare for college foreign language courses. They are also introduced to the Spanish-speaking world through cultural activities. Duration: 2 semesters
COURSE TITLE:	**Spanish II**
Course Numbers: **566210** **566220** Grade Level: 9-12 Graduation Credit: 1 Foreign Language/Elective	Students refine listening and speaking skills acquired in level 1 and are expected to comprehend more spoken Spanish. Emphasis is also on vocabulary and grammar through structure skills. Duration: 2 semesters Prerequisite: Must have passed Spanish I.
COURSE TITLE:	**Spanish III Honors Dual Credit**
Course Numbers: **56631X** **56632X** Grade Level: 10-12 Graduation Credit: 1 Foreign Language/Elective College Credit: Bethany 110	In this honors course of study, the student will continue to study the Spanish language and culture with an emphasis on more complex structures and vocabulary. Students will begin the study of Spanish literature. Duration: 2 semesters Prerequisite: Spanish II
COURSE TITLE:	**Spanish AP**
Course Numbers: **56691A** **56692A** Grade Level: 12 Graduation Credit: 1 Foreign Language/Elective	Students in this rigorous course will receive intense training in the skills necessary to survive in Hispanic societies: oral communication and comprehension of print, audio and video texts, all of which require advanced cultural understanding. The increased emphasis on these skills will also help prepare the students for college level language. College credit may be earned by taking the Advanced Placement test and achieving a score acceptable to colleges or universities. Fees may apply; however, financial assistance is available. Duration: 2 semesters Prerequisite: teacher recommendation

"Aprende del ayer, vive el presente, la esperanza del mañana."

-Albert Einstein
Theoretical physicist and philosopher of science

CAREER AND TECHNICAL EDUCATION COURSES

AGRICULTURE SCIENCE – PLANT SYSTEMS

Completer Courses: 1. Introduction to Agriculture, Food, and Natural Resources
2. Horticulture
3. Agricultural Experience
4. Select one of the following:
a. Turf and Landscape Systems
b. Greenhouse Production and Management
c. Floriculture

COURSE TITLE:	**Introduction to Agriculture, Food, and Natural Resources**
Course Numbers: **0101E1** **0101E2** Grade Level: 9-12 Graduation Credit: #1 Completer Course	This area of study is designed to provide students with core skills and competencies needed for pursuing careers in agriculture and natural resources. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts. Safety instruction is integrated into all activities. Students will be provided with real world learning opportunities and instruction related to selection, development, and maintenance of individual Supervised Agricultural Experience (SAE) programs. Duration: 1 semester
COURSE TITLE:	**Horticulture**
Course Numbers: **0212E1** **0212E2** Grade Level: 10-12 Graduation Credit: #2 Completer Course	First of four courses to complete Plant Systems Program. The horticultural course is an in-depth look at concepts of plant growth and plant usage in our environment for aesthetics, ecosystem, and as plant products for human consumption. Topics: Plant growth requirements, plant processes, and propagation. Overviews will be done in floriculture and nursery production. Students will use the greenhouse as a laboratory. Duration: 2 semesters Prerequisite: Introduction to Agriculture
COURSE TITLE:	**Agriculture Experience**
Course Numbers: **0134E1** **0134E2** Grade Level: 11-12 Graduation Credit: #3 Completer Course	Required for summer projects for <u>agricultural completers only</u>. Projects must be pre-approved. Credit is awarded for completion of the Agriculture Experience Project. Duration: 1 semester Prerequisite: Teacher recommendation

"Always do your best. What you plant now, you will harvest later."

-Og Mandino

COURSE TITLE:	**Turf and Landscape Systems**
Course Numbers: **0240E1** **0240E2** Grade Level: 11-12 Graduation Credit: #4a Completer Course	Turf Management is a class to help students understand and develop competencies in turf grass management. Students will analyze major concepts of the turf grass industry such as pest management, cultural practices, and methods for evaluating turf grass problems. The class will be responsible for controlling pests and managing the growing environment. Students will be proficient in turf management tools and equipment and are expected to use these tools on a daily basis. This course prepares students to design appropriate landscape for home, business and other facilities. After the design plan is formulated, the students will implement the plan. Attention to detail and drawing of plans emphasized. Duration: 1 semester Prerequisite: Horticulture
COURSE TITLE:	**Greenhouse Production and Management**
Course Numbers: **0214E1** **0214E2** Grade Level: 10-12 Graduation Credit: #4b Completer Course	An in-depth look at skills and knowledge related to greenhouse environment. Students will learn how to manipulate this environment for plant growth and reproduction. There will be structural requirements for building and designing greenhouse structures to optimize plant growth. Duration: 1 semester Prerequisite: Horticulture and Introduction to Agriculture
COURSE TITLE:	**Companion Animal Care (First Semester Only)**
Course Numbers: **014900** Grade Level: 9-12 Graduation Credit: ½ Elective	Students will gain an understanding in veterinary science through the study of many animals including dogs, cats, birds, and other household pets. This study will include anatomy and physiology of various animals. Duration: 1 semester
COURSE TITLE:	**Natural Resource Management (Second Semester Only)**
Course Numbers: **020000** Grade Level: 9-12 Graduation Credit: ½ Elective	This course promotes usage and protection of all species. Major elements of this class will include the importance of wildlife, plant life, hunting, fishing, observation of wildlife, and the establishment and protection of wildlife habitats. Duration: 1 semester

AUTOMOTIVE TECHNOLOGIES COURSES

Completer Courses:

1. **Fundamentals of Automotive Technology**
2. **Basic Engine Concepts**
3. **Brakes**
4. **Suspension and Steering Diagnosis**

COURSE TITLE:	**Auto-Tech MLR1/Auto-Tech MLR2 (2 period block)**
Course Numbers: **1623E1** **1631E2** Grade Level: 11-12 Graduation Credit: #1 and #2 Completer Courses	This course is the first of a two-year program in Automotive Technology. Units: automotive electrical systems, theory and operation of brake systems, fundamentals of steering and suspension systems, basic engine concept, engine performance, climate controls, standard and automatic transmissions, computerized data systems, and computer operations related to automotive technology. Duration: 1 semester
COURSE TITLE:	**Auto-Tech MLR3/Auto-Tech MLR4/Auto-Tech AST3 (3 pd block)**
Course Numbers: **1625E1** **1637E2** **1633E1/E2** Grade Level: 12 Graduation Credit: #3 and #4 Completer Courses	This class is the second year of Automotive Technology. Emphasis will be on obtaining "ASE" technician certification, CFC air-conditioning certification, and the West Virginia State Inspection Licensure. Units: computerized engine controls, heating & air conditioning, engine performance, computerized wheel alignments, suspension systems, antilock brakes, manual drive trains, front wheel drive systems, electrical/electronic systems, fuel injection, and electronic analyzers. Duration: 1 semester Prerequisite: Fundamentals of Automotive Technology and Basic Engine Concepts

BROADCASTING TECHNOLOGIES COURSES

Completer Courses:

1. **Fundamentals of Broadcasting**
2. **Radio Broadcasting**
3. **Television Production Applications**
4. **Broadcast Management**
5. **Live TV**

Additional related electives include:

1. **Video Editing**
2. **Digital Imaging**

COURSE TITLE:	**Fundamentals of Broadcasting A (Radio & TV) (1st SEM Only)**
Course Numbers: **168110** Grade Level: 11 Graduation Credit: ½ Elective	This course will introduce students to the basic fundamentals needed to support broadcast managers in the production and broadcasting of materials and programs. Students will become familiar with the equipment, processes, and procedures used in producing and making of radio and television broadcasts. Duration: 1 semester Prerequisite: Teacher recommendation
COURSE TITLE:	**Fundamentals of Broadcasting B (2nd SEM Only)**
Course Numbers: **168120** Grade Level: 10-12 Graduation Credit: ½ Elective	This course will introduce 10th, 11th, and 12th grade students interested in broadcasting and basic fundamentals needed to support broadcast managers in the production and broadcasting of materials or programs. Students will become familiar with the equipment, processes, and procedures used in producing and making radio and television broadcasts. This course does not participate in producing and directing the daily morning announcements. This course is designed to be taken as a general elective independent of the broadcasting curriculum. Duration: 1 semester Prerequisite: Teacher recommendation
COURSE TITLE:	**Radio Broadcasting Applications (Second Semester Only)**
Course Numbers: **163820** Grade Level: 11 Graduation Credit: ½ Elective	This course will provide students with the knowledge to perform, either in a live or mock setting, a radio broadcast. Duration: 1 semester Prerequisite: Teacher recommendation
COURSE TITLE:	**Television Production Applications (First Semester Only)**
Course Numbers: **168510** Grade Level: 12 Graduation Credit: ½ Elective	This course will provide students with an entry-level understanding of the components of television broadcasting. Duration: 1 semester Prerequisite: Teacher recommendation

COURSE TITLE:	**Broadcast Management (Second Semester Only)**
Course Numbers: **168910** Grade Level: 12 Graduation Credit: ½ Elective	This course will introduce students to the knowledge and skills needed to manage personnel and programming in the radio and television industries. Areas of study include programming, storyboarding, ratings systems, ethics, social issues, and student organizations. Students will demonstrate knowledge and technical expertise in media operations management. Duration: 1 semester Prerequisite: Teacher recommendation
COURSE TITLE:	**Television Production (Live TV)**
Course Numbers: **168910** **168920** Grade Level: 12 Graduation Credit: 1 Elective	This course is designed to prepare students for entry-level positions in the television industry. Students will be introduced to the requirements for producing live television news and other live programs including talk shows, game shows, variety shows and sports events. Because this is a course where students rely on other students for success of the broadcast, each student must attend class on a consistent basis. Any student not meeting the attendance requirement is subject to removal from the class. Duration: 2 semesters Prerequisite: Teacher recommendation
COURSE TITLE:	**Digital Imaging/Multimedia**
Course Numbers: **143100** Grade Level: 9-12 Graduation Credit: ½ Elective	This course will introduce students to the basics of producing digital images for multimedia purposes. Students will explore various methods of producing images through hands-on activities and experiences which will include operating a digital camera, using imaging software to improve photos or to create special effects, creating simple animations, manipulating video images, and producing multimedia images. Duration: 1 semester Prerequisite: Teacher recommendation
COURSE TITLE:	**Video Editing**
Course Numbers: **168410** **168420** Grade Level: 11-12 Graduation Credit: ½ Elective	This full-year course is designed to train students in advanced-level video editing with nonlinear editors. Included in instruction are video effects, keying, color correction and other higher-level processes. The student will explore how packaging and imaging of a product impacts the sales of videos. Duration: 1 semester Prerequisite: Fundamentals of Broadcasting and teacher recommendation

"There is no substitute for face-to-face reporting and research."

-Thomas Friedman
Author, Journalist, Pulitzer Prize Winner

BUSINESS CLUSTER COURSES

Accounting

1. **Accounting Principles I**
2. **Accounting Principles II**

Choose one of the following courses:

a. **Business and Marketing Essentials**
b. **Marketing Principles**
c. **Computer Applications I/II**
d. **Personal Finance**
e. **Business and Personal Law**

Administrative Support

1. **Business & Marketing Essentials**

Choose one of the following courses:

a. **Business Computer Applications I/ II**
b. **Business and Personal Law**
c. **Marketing Principles**
d. **Accounting I**
e. **Accounting II**
f. **Personal Finance**
g. **Management and Entrepreneurship**

Marketing Management

1. **Business and Marketing Essentials**
2. **Marketing Principles**
3. **Marketing Applications**

Choose one of the following courses:

a. **Advertising**
b. **Digital Imaging**

COURSE TITLE:	**Advertising**
Course Numbers: **040110** **040120** Grade Level: 9-12 Graduation Credit: ½ Elective	Basic principles of advertising and their role in media and society. Includes advertising environment in the 21st Century, agency and client relationships, consumer behavior, ethics, and the role of research, creative appeals, and media selection in advertising effectiveness. Study of the organization of the advertising profession. Duration: 2 semesters
COURSE TITLE:	**Business Computer Applications I**
Course Numbers: **1411E1** **1411E2** Grade Level: 10-12 Graduation Credit: 1 Elective	The curriculum within the Microsoft IT Academy will offer students learning solutions for IT skills training and certification as well as technology essentials for professionals. Students will develop skills that employers demand within the Microsoft Word and PowerPoint Programs. Upon completion of the course, students will complete the Microsoft Office Specialist Exams for Word 2013 and Excel 2013. Duration: 2 semesters

COURSE TITLE:	**Business Computer Applications II**
Course Numbers: **141310** **141320** Grade Level: 11-12 Graduation Credit: 1 Elective	The curriculum within the Microsoft IT Academy will offer students learning solutions for IT skills training and certification as well as technology essentials for professionals. Students will develop skills that employers demand within the Microsoft Access and Excel Programs. Upon completion of the course, students will complete the Microsoft Office Specialist Exams for Access 2013 and PowerPoint 2013. Duration: 2 semesters Prerequisite: Business Computer Applications I recommended
COURSE TITLE:	**Business and Marketing Essentials**
Course Numbers: **143910** **143920** Grade Level: 10-12 Graduation Credit: 1 Elective	This course is designed to provide the student with a working knowledge of the business environment. This course teaches students different forms of business and activities involved with operating a business. The course will provide a better understanding of what businesses will expect of their employees. This class is required for the Management and Accounting concentrations. (If majoring in the Management or Accounting concentrations, this class should be taken before Business Management and Entrepreneurship). This course is EDGE credit eligible. Duration: 2 semesters
COURSE TITLE:	**Management and Entrepreneurship Dual Credit**
Course Numbers: **144510** **144520** Grade Level: 11-12 Graduation Credit: 1 Elective College Credit: Bethany BUSA 311	This class emphasizes management skills on the personal and corporate level and focuses on what managers do, how they do it, and what factors will make them successful in leading people or businesses. This class is required for the Management and Marketing concentrations. This course is EDGE credit eligible. Duration: 2 semesters Prerequisite: Introduction to Business and Marketing Essentials
COURSE TITLE:	**Business and Personal Law Dual Credit**
Course Numbers: **141710** **141720** Grade Level: 11-12 Graduation Credit: 1 Elective College Credit: Bethany BUSA 332	Business law provides students with information on the basic fundamentals of contracts, credit, employment, insurance, commercial paper, property and bailments. The legal concepts for this class will provide students the necessary legal knowledge that they will encounter in their everyday lives. Can be taken as Dual Credit. Duration: 2 semesters

COURSE TITLE:	**Accounting Principles I**
Course Numbers: **140110** **140120** Grade Level: 10-12 Graduation Credit: 1 Elective	Content emphasizes the introduction of basic accounting principles, procedures, and techniques involved in recording and classifying all transactions and financial statements. Both paper and electronic accounting practices are covered. This is one of the required courses for the Accounting concentration. Duration: 2 semesters
COURSE TITLE:	**Accounting II**
Course Numbers: **140310** **140320** Grade Level: 11-12 Graduation Credit: 1 Elective	In this class, training situations provide opportunities for the student to master the basic skills necessary to perform accounting activities, prepare for on-the-job training, and function effectively in college accounting courses. One of the required courses for the Finance/Accounting concentration. Duration: 2 semesters Prerequisite: Accounting I
COURSE TITLE:	**Personal Finance I and II**
Course Numbers: **145110** **145120** **145100 (SEM ONLY)** Grade Level: 10-12 Graduation Credit: ½ Elective	This course is designed to help students understand the impact of individual choices on occupational goals and future earning potential. Students will design personal and household budgets, simulate use of checking and saving accounts, demonstrate knowledge of finance, debt, and credit management and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions. Duration: 2 semesters
COURSE TITLE:	**Web Page Publishing**
Course Numbers: **145500** Grade Level: 10-12 Graduation Credit: ½ Elective	This is a 1 semester class that will introduce students to the basic web page design concepts and provide practice in creating web sites. Students will explore various applications in web page design through hands-on activities and experiences which may include: using Web page development software, creating page layouts, adding images and frames, creating elements and components, creating tables, managing files, publishing to the Internet, creating hyperlinks, organizing tasks, and using HTML. Duration: 1 semester
COURSE TITLE:	**Marketing Principles**
Course Numbers: **042210** **042220** Grade Level: 10-11 Graduation Credit: 1 Elective	This course provides students with basic knowledge and skills related to marketing occupations. Units of study include marketing principles, human relations, marketing math, economic principles, school store operation, cash handling, sales process, and job-seeking and keeping skills. Students are strongly encouraged to take Marketing Principles in grade 10 or 11. This is one of the required classes for the Marketing concentration. Duration: 2 semesters
COURSE TITLE:	**Marketing Applications**
Course Numbers: **042510** **042520** Grade Level: 12	Marketing Applications builds on skills provided in Marketing Principles to provide students with entry-level employment skills. Units of study include promotion, pricing, finance, distribution, risk management, purchasing, marketing, research and entrepreneurship. This is one of the required classes for the Marketing concentration.

Graduation Credit: 1 Elective	Duration: 1 semester Prerequisite: Marketing Principles

Certified Nursing Assistant

Completer Courses: **1. Foundations of Health Science/Advanced Principles of Health Science**
2. Clinical Specialty I/Clinical Specialty II

COURSE TITLE:	**Exploring Health Professions**
Course Numbers: **070000** Grade Level: 10 Graduation Credit: 1 Elective	This semester long course is designed to introduce students to the various professions associated with health care and health care providers. Duration: 1 semester
COURSE TITLE:	**Foundations of Health Science/Advanced Principles of Health Sciences (2 period block)**
Course Numbers: **0711E1** **0715E2** Grade Level: 11 Graduation Credit: 1 Elective	Instructional content will focus on healthcare safety, environmental safety processes and procedures, ethical and legal responsibilities and mathematical computations. Medical terminology and the reinforcement, expansion and enhancement of biology content specific to diseases and disorders are an integral part of the course. Instruction will incorporate project and problem based healthcare practices and procedures to demonstrate the importance of these skills. Students will develop basic technical skills required for all health career specialties including patient privacy, communication, teamwork and occupational safety and be provided with opportunities to obtain certifications in HIPPA/Data Privacy, and health care safety. Duration: 2 semesters
COURSE TITLE:	**Clinical Specialty I/Clinical Specialty II/Med. Term (3 pd block)**
Course Numbers: **0789E1** **0790E2** **0721E1** Grade Level: 12 Graduation Credit: Completer Courses	These courses are designed to allow the student to choose career work-based experiences from a list of specializations provided by the instructor. In the first semester, students will volunteer as Nursing Assistants at Good Shepherd Nursing Home. Upon completion of the volunteer work, the students are eligible to become Certified Nursing Assistants after passing the standardized test. Duration: 2 semesters Prerequisite: Successful completion of Foundations of Health Science and Advanced Principles of Health Sciences

COLLISION REPAIR TECHNOLOGIES COURSES

Completer Courses:

1. **Fundamentals of Collision Repair**
2. **Nonstructural Analysis and Damage Repair**
3. **Structural Analysis and Damage Repair**
4. **Surface Preparation and Refinishing**

COURSE TITLE:	**Fundamentals of Collision Repair/Nonstructural Analysis and Damage Repair (2 period block)**
Course Numbers: **1671E1** **1675E2** Grade Level: 11-12 Graduation Credit: 1 Elective	First course of two-year program to prepare students for a career in Auto Body Technology. Units: Non-structural analysis and damage repair, structural analysis, surface preparation and safety precautions. Duration: 2 semesters
COURSE TITLE:	**Structural Analysis and Damage Repair/Surface Preparation and Refinishing/Collision Custom Finishing (3 period block)**
Course Numbers: **1677E1** **1679E2** **1676E1/E2** Grade Level: 12 Graduation Credit: 1 Elective	Second year of Auto Body Technology. Units: Painting/refinishing, structural analysis and damage repair, mechanical and electrical components, plastics, and adhesives. Duration: 2 semesters Prerequisite: Fundamentals of Collision Repair and Nonstructural Analysis and Damage Repair

CONSTRUCTION TECHNOLOGIES COURSES

COURSE TITLE:	**Construction Systems (Construction I)**
Course Numbers: **242410** **242420** Grade Level: 9-12 Graduation Credit: 1 Elective	This course provides opportunities for students to study and apply technological systems, concepts, and processes as they relate to construction technology. Topics range from how construction meets the needs of society to basic construction techniques. Safety instruction is integrated into all activities. Duration: 2 semesters
COURSE TITLE:	**Foundations of Engineering (Construction II)**
Course Numbers: **243610** **243620** Grade Level: 10-12 Graduation Credit: 1 Elective	This course provides opportunities for students to study and apply basic principles of materials, mechanisms, structures and their uses to solve a variety of complex technical challenges. Safety instruction is integrated into all activities. Duration: 2 semesters Prerequisite: Construction Systems and instructor permission
COURSE TITLE:	**Fundamentals of Millwork and Cabinetmaking (Construction III)**
Course Numbers: **245110** **245120** Grade Level: 11-12 Graduation Credit: 1 Elective	This course introduces students to the fundamentals of millwork and cabinetmaking. Emphasis will also be placed on career opportunities, job seeking skills, and professional ethics. Safety instruction is integrated into all activities. Duration: 2 semesters Prerequisite: Foundations of Engineering and instructor permission

DRAFTING TECHNOLOGIES COURSES

Completer Courses: 1. Fundamentals of Drafting
2. Drafting Techniques
3. Mechanical Drafting
4. Architectural Drafting

COURSE TITLE:	**Fundamentals of Drafting/Drafting Techniques (2 period block)**
Course Numbers: **1729E1** **1727E2** Grade Level: 11 Graduation Credit: 1 Elective	This is the first of four courses to complete the Conventional Computer Aided Drafting (CAD) Program. This course will introduce students to the basic fundamentals of drafting and geometric construction. Students will become familiar with drafting equipment and methodology used in industry. This course will provide basic understanding of drafting techniques necessary to allow students to progress to CAD. EDGE credit is available. This course will introduce students to techniques used in advanced orthographic projection, including dimensioning, sectioning, auxiliary views, revolutions, pattern development, and advanced CAD. Duration: 2 semesters Prerequisite: Math I & II suggested
COURSE TITLE:	**Mechanical Drafting/Architectural Drafting (2 period block)**
Course Numbers: **1725E1** **1721E2** Grade Level: 12 Graduation Credit: 1 Elective	This course will introduce students to mechanical drafting, including the application of dimensioning techniques, assembly and detail drawings, pictorial views, and common threads and fasteners. This course will provide the training to apply these applications using a CAD system. EDGE Credit Available (3 credit hours) This course will provide students the opportunity to specialize in architectural drawing and design, including plumbing, electrical, and HVAC systems. EDGE Credit Available (3 credit hours) Duration: 2 semesters Prerequisite: Fundamentals of Drafting and Drafting Techniques
COURSE TITLE:	**Blueprint Reading**
Course Numbers: **166100** Grade Level: 11-12 Graduation Credit: ½ Elective	This course will introduce students to basic blueprint reading fundamentals. Students will utilize problem solving techniques and participate in laboratory activities to develop an understanding of course concepts and real world learning opportunities and instruction related to drafting design, engineering occupations, and trades that use blueprints such as welders, machinists, or carpenters. Duration: 1 semester
COURSE TITLE:	**Introduction to CAD and 3D printing**
Course Numbers: **171800**	This course will introduce students to computer-aided-drafting using CAD software. Areas of study include the CAD Interface, basic geometry, working aids, basic dimensioning, and plotting. Students will demonstrate knowledge

Grade Level: 11-12 Graduation Credit: ½ Elective	and technical expertise in the commands and features of the program. Students will utilize problem-solving techniques and participate in lab activities to develop an understanding of course concepts using 3D software and a 3D printer. Safety instruction is integrated into all activities. Duration: 1 semester

PROSTART Restaurant Management

Completer Courses: **1. Restaurant and Culinary Foundations/Restaurant Management Essentials**
2. Advanced Principles in Food Production/Restaurant Professional

Electives: **1. Advanced Foods Work Experience**

COURSE TITLE:	**Restaurant and Culinary Foundations/Restaurant Management Essentials (PROSTART I) (2 period block)**
Course Numbers: **1013E1** **1014E2** Grade Levels: 11 Graduation Credit: 2 Elective	This class is the first of a two-year program designed to develop entry level skills for the Food Service Industry. The student will study the fundamentals of food technology, basic food production, quick service, sanitation, safety and dining room customer service. Duration: 2 semesters
COURSE TITLE:	**Advanced Principles in Food Production/Restaurant Professional (PROSTART II) (2 period block)**
Course Numbers: **1019E1** **1020E2** Grade Level: 12 Graduation Credit: 2 Elective	This is the second of a two-year program designed to prepare a student for a food service occupation. It emphasizes professional food services, dining room service and work experiences in the food service industry. Duration: 2 semesters Prerequisite: Restaurant and Culinary Foundations and Restaurant Management Essentials (PROSTART I)
COURSE TITLE:	**Advanced Foods Work Experience**
Course Numbers: **121010** **121020** Grade Level: 12 Graduation Credit: 1 Elective	This course provides work experiences in the food service industry. Students must be employed in food service industry and must submit a letter from current employer verifying employment. Duration: 2 semesters Prerequisite: Must have been enrolled in Advanced Principles in Food Production/Restaurant Professional (PROSTART II).

FAMILY and CONSUMER SCIENCE COURSES

COURSE TITLE:	**Life**
Course Numbers: **092910** **092920** Grade Level: 9-10 Graduation Credit: 1 Elective	This class is offered as a one-credit class. Students examine areas of Foods and Nutrition, Parenting, Life Relationships, Financial Literacy, Personal Wellness and Resource Management. Duration: 2 semesters
COURSE TITLE:	**Parenting and Strong Families**
Course Numbers: **090300** Grade Level: 10-12 Graduation Credit: 1 Elective	This class helps students evaluate readiness for parenting while examining appropriate parenting and strong family practices. Students have an opportunity to experience parenting through the Real Care Baby Project, a baby simulation that requires round the clock care of a newborn. Class size is limited to 18. Duration: 2 semesters
COURSE TITLE:	**Fashion Merchandising**
Course Numbers: **096100** Grade Level: 10-12 Graduation Credit: ½ Elective	This half-credit class provides students with skills and practices that are related to the textile and clothing industry. They participate in hands-on activities, create an employment portfolio for use with applying for internships, work-based learning opportunities, and analyze opportunities for employment and entrepreneurial endeavors. Class size limited to 18. Duration: 1 semester
COURSE TITLE:	**Food Preparation**
Course Number: **095100** Grade Level: 10-12 Graduation Credit: ½ Elective	Food Preparation emphasizes skill development in the selection, preparation, storing and serving of food, management of resources to meet individual and family nutritional needs and optimal use of food resources, the principles of nutrition and the relationship of nutrition to health and well-being. Class size is 18. Good attendance is used to select students. Duration: 1 semester

"We do not remember days, we remember moments."

-Cesare Pavese
Italian Poet/ Author

HOME MECHANICS COURSES

COURSE TITLE:	**Mechanical Service Systems (Home Mechanics I)**
Course Numbers: **244510** **244520** Grade Level: 9-12 Graduation Credit: 1 Elective	This class will include emphasis on general maintenance of buildings, equipment, and furnishings. Students will be introduced to the basic principles of mechanisms, electricity, and fluidics involved in the support, maintenance, design, and installation of all types of mechanical and electrical devices. Safety instruction is integrated into all activities. Duration: 2 semesters
COURSE TITLE:	**Manufacturing Systems (Home Mechanics II)**
Course Numbers: **244210** **244220** Grade Level: 10-12 Graduation Credit: 1 Elective	This class will introduce students to the basic elements of the manufacturing industry. It provides opportunities for students to study and apply technological systems, concepts and processes in the operation of a manufacturing enterprise. Safety instruction is integrated into all activities. Duration: 2 semesters Prerequisite: Mechanical Services Systems and instructor permission
COURSE TITLE:	**Intro to Millwork (Home Mechanics III)**
Course Numbers: **212210** **212220** Grade Level: 11-12 Graduation Credit: 1 Elective	This course introduces the student to the knowledge base and technical skills for all courses in the Millwork and Cabinetmaking concentration. Areas of study include career opportunities, safety, measurement, blue prints, drawings, plans, hand tools and power tools. Emphasis will be placed on career exploration, job seeking skills and personal and professional ethics. Safety instruction is integrated into all activities. Duration: 2 semesters Prerequisite: Manufacturing Systems and instructor permission

INFORMATION TECHNOLOGIES SUPPORT SYSTEMS COURSES

Completer Courses:
1. **A+ Essentials**
2. **A+ Practical Applications**
3. **Networking Essentials**
4. **Fundamentals of Computer Systems**

COURSE TITLE:	**A+ Essentials/A+ Practical Applications (2 period block)**
Course Numbers: **16641E** **16652E** Grade Level: 10-12 Graduation Credit: 1 Elective	Students will learn to build, maintain, and troubleshoot a computer's hardware including motherboards, power supplies, memory, storage systems, etc. Students will learn how to install, operate, and troubleshoot various operating systems including Windows 9X, Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8 and various distributions of Linux. Duration: 2 semesters Prerequisite: Business Computer Applications I
COURSE TITLE:	**Networking Essentials/Fundamentals of Computer Systems (2 period block)**
Course Numbers: **16941E** **17052E** Grade Level: 12 Graduation Credit: 1 Elective	This ARIES class is a full semester of professional IT training that builds a solid foundation of network administration skills, protocols, the OSI module, LAN design, cabling and connectors, and troubleshooting and maintenance for non-vendor-specific environments. Students will troubleshoot and repair computers as part of regular class work. Areas of study include computer hardware, data representation, operating system, utility, productivity software, communications and networks, and the Internet. Emphasis will be placed on personal and professional ethics, and students will explore a variety of career opportunities. Duration: 2 semesters Prerequisite: A+ Essentials and A+ Practical Applications
COURSE TITLE:	**Webpage Design**

"The rise of Google, the rise of Facebook, the rise of Apple, I think are proof that there is a place for computer science as something that solves problems that people face every day."

-Eric Schmidt
Google Software Engineer

MACHINE TOOL TECHNOLOGIES COURSES

Completer Courses: 1. Fundamentals of Machine Tool Technology
2. Machine Tool Operations
3. Fundamentals of Machine Processes
4. Metal Trades Processes and Applications

COURSE TITLE:	**Fundamentals of Machine Tool Technology/Machine Tool Operations (2 period block)**
Course Numbers: **19031E** **19072E** Grade Level: 11 Graduation Credit: 1 Elective	This class is the first of a two-year program teaching machine tool technology in units of safety, measurement, basic procedures, machine processes, blueprint reading, various types of math that apply to shop processes, and basic computerized machining processes. Duration: 2 semesters
COURSE TITLE:	**Fundamentals of Machine Processes/Metal Trades Processes and Applications/Machine Tool Technology (3 period block)**
Course Numbers: **1905E1** **1909E2** **1902E1/E2** Grade Level: 12 Graduation Credit: 1 Elective	The second year of Machine Tool Technology emphasizes advanced machining processes on manual and computerized machinery. Duration: 2 semesters Prerequisite: Fundamentals of Machine Tool Technology and Machine Tool Operations

WELDING TECHNOLOGIES COURSES

Completer Courses: 1. Welding I
2. Welding II
3. Welding III
4. Welding IV

COURSE TITLE:	**Welding I/Welding II (2 period block)**
Course Numbers: **1862E1** **1863E2** Grade Level: 11 Graduation Credit: #1 and #2 Completer Courses	First of two-year program in welding technology. Units: Intro to welding, oxy-fuel cutting and welding, shielded metal arc welding and gas metal arc welding, and blueprint reading. Duration: 2 semesters
COURSE TITLE:	**Welding III/Welding IV/Welding Blueprint Reading (3 pd block)**
Course Numbers: **1864E1** **1865E2** **1902E1/E2** Grade Level: 12 Graduation Credit: #3 and #4 Completer Courses	The second year of welding focuses on obtaining a WV State welding certificates on plate and pipe welding using four different welding processes. Additional studies include advanced metallurgy, gas tungsten arc welding, blueprint reading, flux cored, plasma arc and gas metal arc welding. Duration: 2 semesters Prerequisite: Welding I and Welding II

ADDITIONAL COURSES

COURSE TITLE:	**ACT Testing Strategies**
Course Numbers: **766100** Grade Level: 10-11 Graduation Credit: ½ Elective	This semester long class is designed to improve students' chances of scoring well on the ACT. The class will be divided into areas to improve student scores on the English, Reading, Composition, Math, and Science sections of the ACT. The first semester is for seniors only and the second semester is for underclassmen or seniors who need to take the ACT again. Duration: 1 semester
COURSE TITLE:	**Freshman AOC/Homeroom**
Course Numbers: **763300** Grade Level: 9 Graduation Credit: None	This class aids students in developing skills in decision making, problem solving and goal setting, critical thinking, logical reasoning, and interpersonal communication and the application of these skills to academic achievement. Duration: 2 semesters
COURSE TITLE:	**Sophomore AOC/Homeroom**
Course Numbers: **763301** Grade Level: 10 Graduation Credit: None	This class aids students in developing skills in decision making, problem solving and goal setting, critical thinking, logical reasoning, and interpersonal communication and the application of these skills to academic achievement. Duration: 2 semesters
COURSE TITLE:	**Junior Career Preparation**
Course Numbers: **762900** Grade Level: 11 Graduation Credit: None	This class aids students in developing skills in decision making, problem solving and goal setting, critical thinking, logical reasoning, and interpersonal communication and the application of these skills to academic achievement. Duration: 2 semesters
COURSE TITLE:	**Senior Career Preparation**
Course Numbers: **762901** Grade Level: 12 Graduation Credit: None	This class aids students in developing skills in decision making, problem solving and goal setting, critical thinking, logical reasoning, and interpersonal communication and the application of these skills to academic achievement. Duration: 2 semesters
COURSE TITLE:	**Special Programs Peer Tutor**
Course Numbers: **763199** Grade Level: 9-12 Graduation Credit: Community Service	Students who take this course will help students with special needs complete daily classroom activities while increasing socialization and interaction with peers. Duration: 1 semester

COURSE TITLE:	**Assisted Reading I**
Course Numbers: **481010** Grade Level: 9 Graduation Credit:	This course is designed to improve student's reading ability. Emphasis and practice is provided using scientifically researched based reading programs. The goal of this course is to provide students with multiple strategies in the five areas of reading through small group instruction and hands on activities. Students will be exposed to nonfiction stories, fiction stories, and informational texts covering all the content areas. Duration: 2 semesters
COURSE TITLE:	**Assisted Reading II**
Course Numbers: **481020** Grade Level: 10-12 Graduation Credit:	This course is designed to improve student's reading ability. Emphasis and practice is provided using scientifically researched based reading programs. The goal of this course is to provide students with multiple strategies in the five areas of reading through small group instruction and hands on activities. Students will be exposed to nonfiction novels, fiction novels, various short stories, and informational texts covering all the content areas. Study skills and test taking strategies are also taught in this class. Duration: 2 semesters
COURSE TITLE:	**Reading Enrichment**
Course Numbers: **481030** Grade Level: 9-12 Graduation Credit:	A Lexile-based course that allows students to read various nonfiction and fiction novels while interacting with their peers in a small group setting. Strategies will be taught emphasizing vocabulary and comprehension while follow-up projects will be emphasized. Students will take an active role in the selection of novels read in this class. Duration: 2 semesters
COURSE TITLE:	**CTE Shop Aide**
Course Numbers: **786100** Grade Level: 12 Graduation Credit:	The objective will be to assist the instructor with safety observations being a priority, as well as working with younger, less experienced students making their experience a more positive and safer one. Duration: 2 semesters Prerequisite: Construction Systems and Foundations of Engineering, teacher recommendation

COURSE TITLE:	**Career Exploration**
Course Numbers: **762710** **762720** Grade Level: 10 Graduation Credit: 1 Elective	This course is divided into six-week segments with each segment being completed in a different vocational area. The six areas include Automotive Technology, Collision Repair Technology, Welding Technology, Drafting, Home Repair, Construction Systems, and Machine Tool Technology. This course will expose the student to different technologies that will help them in choosing a future Career Technical area or for general experience. Duration: 2 semesters

John Marshall High School Articulation Agreement and WVNCC

John Marshall High School has entered into an Articulation Agreement with West Virginia Northern Community College through which the college has agreed to grant college credits to students completing the following courses at the high school level with a grade of C (2.00) or higher. Course objectives and outcomes must match college requirements. See below for John Marshall courses that qualify for college credit.

John Marshall High School Course	WVNCC Course Equivalent	College Credits
Welding I	Oxyacetylene Welding……**(Weld 101)**	1
Welding II	Basic Shielded Metal Arc Welding.. **(Weld 102)**	6
Welding III	Beginning MIG (GMAW) Welding… **(Weld 202)**	3
Welding IV	Beginning TIG…… **(Weld 206)**	3
Accounting Principles I Accounting Principles II	Principles of Accounting I……..**(ACC 122)**	3
Business Computer Application 1 Microsoft IT Word & Excel Business Computer Applications 2 Microsoft IT PowerPoint/ Access	Microsoft Applications……..**(CIT 117)**	3
Office Management	Microsoft Word I ……..**(CIT 120)**	3
Comp TIA A+	A+ Networking & Software ……..**(CIT 184)**	3
Comp TIA A+	A+ Hardware Essentials……..**(CIT 123)**	3
Business and Marketing Essentials	Introduction to Business……..**(BA 100)**	3
Marketing Principles Marketing Applications	Principle of Marketing……..**(MKT 230)**	3
Restaurant & Culinary Foundations Restaurant & Management Essentials Advanced Principles in Food Production The Restaurant Professional	Food Service Sanitation and Safety..**(Cart 121)** *Must have Serv Safe Certification	2
Anatomy & Physiology	Anatomy & Physiology……..**(B10 114)**	3

NURSING: If a student brings in an American Heart Association CPR and First Aid Card, they receive HPE 110- First Aid and CPR – 1 Credit

EARLY START: Juniors and Seniors may take General Education Courses on-site or online for $25.00 Per credit hour. A three (3) hour course - $75.00

NOTE: This is a continuing process in which WVNCC is working on additional courses to be granted credit.

Career and Technical Education Completer Course Selection Process

In an effort to align all of the CTE Completer Concentrations selection processes, we have created a rubric to make your selection process easier to track. On the rubric, you will add each student's name that has selected your course as an elective. Depending on how many students selected your course will determine the point total that you use (i.e. if 25 students apply for your class, you will be on a 25 point scale). From this point, you would rank the students in order from 25-1 (25 being the highest and 1 being the lowest) in the areas of GPA, Attendance, Teacher Recommendation and Discipline. Once the rubric is completed, you can sort from most to least in your spreadsheet, and this will give you your list of students to recommend for your class.

GPA 15%– GPA will be rated very easily with the highest GPA getting the most points to the lowest GPA getting the least amount of points.

ATTENDANCE 35%- Attendance will be rated very easily with the least amount of absences getting the most points to the most absences getting the least amount of points.

DISCIPLINE 35%- Discipline will be looked at in the same manner however, we need to take the severity of the actions into account. For example, if student A has 5 discipline referrals resulting in lunch detention but student B has only 2 discipline referrals for fighting, student A would receive more points. Please use your best judgment in ranking discipline.

*Referrals - Level 1 & 2 behaviors (Tardies, skipping class, ext.) will count as 1 referral. Level 3 & 4 behaviors will count as 3 referrals.

TEACHER RECCOMENDATION/INTERVIEW/APPLICATION 15%-

** Interview – Please consider 1 point for each of the following:

1. Appearance
2. Greeting
3. Communication
4. Body Language
5. Posture and eye contact
6. Politeness
7. Attitude
8. Response to questions
9. Candidate integrity
10. Overall demonstration of interview skills/application process
    *In this section you may add up to 5 points for a "teacher recommendation"

COMPLETION - At the completion of the rubric, the student with the highest number will be awarded the first "spot" in your class, the second highest score will be awarded the second spot in your class and so on and so forth.

John Marshall Career Technical Education Application

STUDENT APPLICATION FORM
JOHN MARSHALL HIGH SCHOOL

Name _____ Grade _____

WVEIS Number _____ High School _____

Address _____

City _____ State _____ Zip _____

Phone # _____ Alternate Number _____

Best Number to Reach Parent/Guardian _____

Programs Offered

AUTO COLLISION REPAIR – AUTO TECHNOLOGY – BUSINESS - COMMUNICATIONS TECHNOLOGY – CONVENTIONAL/COMPUTER-AIDED DRAFTING - HORTICULTURE – MACHINE & TOOL TECHNOLOGY – MARKETING – PROSTART – THERAPEUTIC SERVICES – WELDING TECHNOLOGY

Indicate in Which Programs You Wish to Enroll (Please List Your Top 2 Choices)

Choice 1: _____ Choice 2: _____

What is your reason for wanting to enroll in this program? (Choice 1) (Note: You will only be selected for 1 program.)

What are your plans after high school? _____

Reference: Name _____ Phone _____
(Someone Not Related to You)

Name _____ Phone _____
(Someone Not Related to You)

Student Signature _____ Date _____

Non-Discrimination: This Company prohibits discrimination against or harassment of any person employed by or seeking employment with the CTE program because of race, creed, religion, or national origin or because of age, physical or mental disability, or sex.

(For School Use Only)

Student GPA _____ Days Absent in Current Year _____ Number of Failed Classes _____

JMHS SCHEDULE PLANNER

	CORE CLASSES	1st Semester	2nd Semester
1	English/Lang. Arts		
2	Mathematics		
3	Science		
4	Social Studies		
	OTHER REQUIREMENTS		
1	Fine Arts		
2	Physical Education		
3	Health		
	ELECTIVES		
1	#1 Choice		
2	#2 Choice		
3	#3 Choice		
4	#4 Choice		
5	#5 Choice		
6	#6 Choice		

	Total Number of Classes		
	Total Number of Credits		