Morristown-Hamblen High School West
Program of Studies
2017-2018 School Year
Preparing Students for College and Career Readiness
Hamblen County Schools
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Hamblen County Board of Education Members

Dr. Joe Gibson, Jr., Chairman
Dr. Shahin Assadnia
Mrs. Carolyn Holt Clawson
Mr. Roger Greene
Mr. James Grigsby
Mrs. Janice Haun
Mr. Clyde Kinder

Hamblen County Department of Education

Dr. Dale P. Lynch, Director
Mr. Hugh Clement, Assistant Director
Mr. Brantley Smith, Assistant Director

Morristown-Hamblen High School West Administration

Mr. Jeff Kinsler, Principal
Mr. Calvin Decker, Assistant Principal
Mr. Timothy Landefeld, Assistant Principal
Ms. Jennifer Laster, Assistant Principal

Morristown Hamblen High School West School Counselors

Mrs. Gwen Ledford
Mrs. Melanie Justis
Dr. Jill Reuschel
Dear Students (and Parents),

Welcome to Morristown West High School. This Program of Studies is an important tool for you in establishing your high school academic plans. This document has been designed to acquaint you with your options and to guide you through the course selection process. With our 4X4 block scheduling, you will have the opportunity to take eight credits per year for a total of 32 classes over the length of your four-year high school career. Along with challenging academic and core courses, you will have opportunities through our Career Technical Education and Academic programs to either sample career areas of interest or get a head start on your life’s work. We look forward to working with you to help you develop a High School Plan that you find challenging and enjoyable.

Your School Counselor will assist you in the registration process. Our desire is to help you realize your educational and career goals. Each of you will have an individual conference with a freshman academy teacher during advisement periods. Parents are invited and encouraged to attend these conferences. If a parent cannot attend, a course selection sheet will be sent home for parent signature. Counselors and teachers will be glad to assist students with choices but final responsibility rests with students and parents. There is flexibility built into our program so that if your desires change, we can adjust the four year plan. We want you to push yourself academically and take full advantage of provided opportunities.

Your time with us should be used wisely with sights set on providing sound preparation for your next step in life....YOUR FUTURE. While that step may be the workforce or it might be higher education, our objective is to help you achieve at your highest desired level and we want your highest desired level to be beyond your comfort zone. We want you to push yourself! You can reach any goal, regardless of how lofty, if we work as a team....student, parent, teacher, school counselor, and assigned administrator. After you leave us we want you to look back on your experience here as one that was both challenging and fulfilling. Dream big because when we work together ....anything is possible!

Sincerely,

West High Administrators and Counselors
Morristown-Hamblen High School West is accredited by the Tennessee State Department of Education and the Southern Association of Colleges and Schools.

Mission Statement

Morristown-Hamblen High School West will provide a student-centered educational program, which promotes the enlightening of our students in three basic areas: Communication, Problem-Solving, and Responsibility.

Administrators

Mr. Jeff Kinsler, Principal  
Mr. Calvin Decker, Assistant Principal  
Mr. Timothy Landefeld, Assistant Principal  
Ms. Jennifer Laster, Assistant Principal  
Main Office: 581-1600

School Counselors

Dr. Jill Reuschel (Students A-G)  
Mrs. Gwen Ledford (Students H-O)  
Mrs. Melanie Justis (Students P-Z)  
Counseling Office: 585-3792

Program Planning

Developing a program of study is a vital step in the planning of educational and career goals. At Morristown-Hamblen High School West, it is the responsibility of the parents/guardians and students to exercise the initiative in developing the student's program. Other individuals who have a responsibility to assist in the program planning are the school counselors, teachers, and principals.
### TN Graduation Requirements

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English – 4 credits</strong></td>
<td></td>
<td>• 1 credit – English I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 1 credit - English II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 1 credit – English III, AP English Language</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 1 credit – English IV, AP English Literature, or Dual Enrollment Composition</td>
</tr>
<tr>
<td><strong>Math – 4 credits</strong></td>
<td></td>
<td>• 1 credit – Algebra I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 1 credit – Geometry</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 1 credit – Algebra II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 1 credit – an upper level mathematics course</td>
</tr>
<tr>
<td><strong>Science – 3 credits</strong></td>
<td></td>
<td>• 1 credit – Biology I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 1 credit – Chemistry or Physics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 1 credit – an additional laboratory class</td>
</tr>
<tr>
<td><strong>Social Studies – 4 credits</strong></td>
<td></td>
<td>• 1 credit – World History and Geography, Pre-AP (H) World History and</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Geography or AP Human Geography</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 1 credit – U.S. Government and Civics, Pre-AP (H) U.S. Government and Civics,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AP U.S. Government and Civics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 1 credit – U.S. History and Geography, AP U.S. History</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 1 credit – Economics/Personal Finance, AP Economics/Personal Finance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marketing Education may substitute for the Economics portion, but students must</td>
</tr>
<tr>
<td></td>
<td></td>
<td>take a separate Personal Finance course.</td>
</tr>
<tr>
<td><strong>Wellness – 1 credit</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Physical Education - .5 credit</strong></td>
<td></td>
<td>This requirement may be satisfied by substituting an equivalent time of physical activity in other areas including but not limited to marching band, JROTC, cheerleading, interscholastic athletics.</td>
</tr>
<tr>
<td><strong>Fine Art – 1 credit</strong></td>
<td></td>
<td><strong>Courses include Art, Band, Choir, Theatre Arts.</strong></td>
</tr>
<tr>
<td><strong>Foreign Language – 2 credits in the same language</strong></td>
<td></td>
<td><strong>Courses include French, German, Latin, Spanish</strong></td>
</tr>
<tr>
<td><strong>Elective Focus – 3 credits</strong></td>
<td></td>
<td>Everyone must choose a major and earn 3 credits in an approved Academic or Career Technical Education (CTE) focus area.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Students completing a CTE elective focus must complete 3 units in the same CTE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>program area or state approved program of study.</td>
</tr>
<tr>
<td><strong>Electives – 5.5 credits</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total = 28 credits</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*These requirements may be waived for any student who is sure he or she will not attend college.*
<table>
<thead>
<tr>
<th>Program</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Accounting</strong></td>
<td>5905 - Intro to Business &amp; Marketing 5910 - Accounting I 5911 - Accounting II</td>
</tr>
<tr>
<td><strong>Agriculture Engineering and Applied Technologies</strong></td>
<td>5957 - Agriscience 5944 - Principles of Ag Mechanics 5945 - Ag Power Equipment 5963 - Agricultural &amp; Bio system Engineering</td>
</tr>
<tr>
<td><strong>Automotive Maintenance and Light Repair</strong></td>
<td>5879 - Maintenance and Light Repair I 5880 - Maintenance and Light Repair II 5881 - Maintenance and Light Repair III 5882 - Maintenance and Light Repair IV</td>
</tr>
<tr>
<td><strong>Dietetics and Nutrition</strong></td>
<td>6137 - Intro to Human Studies 6005 - Nutrition Across the Lifespan 6007 - Nutrition Science &amp; Diet Therapy 3433/3422 - Psychology and/or Sociology</td>
</tr>
<tr>
<td><strong>Education and Training</strong></td>
<td>6123 - Fundamentals of Education 6010 - Teaching as a Profession I 6125 - Teaching as a Profession II</td>
</tr>
<tr>
<td><strong>Electromechanical Technology</strong></td>
<td>5922 - Principles of Manufacturing 6091 - Intro to Electromechanical 6090 - Advanced Electromechanical Technology Work-based Learning Internship Opportunities</td>
</tr>
<tr>
<td><strong>Exercise Physiology</strong></td>
<td>5998 - Health Science Education 3251 - Anatomy &amp; Physiology 5990 - Rehabilitation Careers 6170 - Exercise Science</td>
</tr>
<tr>
<td><strong>Industrial Automation</strong></td>
<td>6051 - Industrial Electricity I 10-6051 - Industrial Electricity II 20-6051 - Industrial Automation Work-based Learning Internship Opportunities</td>
</tr>
<tr>
<td><strong>Law Enforcement Services</strong></td>
<td>6155 - Principles of Law, Corrections &amp; Security 5987 - Criminal Justice I 5988 - Criminal Justice II 5989 - Criminal Justice III</td>
</tr>
<tr>
<td><strong>Marketing Management</strong></td>
<td>5905 - Intro to Business &amp; Marketing 5931 - Marketing &amp; Management I: Principles 5932 - Marketing &amp; Management II: Advanced Strategies</td>
</tr>
<tr>
<td><strong>Nursing Services</strong></td>
<td>5998 - Health Science Education 3251 - Anatomy &amp; Physiology 5999 - Medical Therapeutics 6000 - Nursing Education</td>
</tr>
<tr>
<td><strong>Office Management</strong></td>
<td>5891 - Computer Applications 5888 - Business Communication (Newspaper/Yearbook) 5889 - Business Management 5904 - Advanced Computer Applications</td>
</tr>
<tr>
<td><strong>Project Lead the Way</strong></td>
<td>6054 - Intro to Engineering 6052 - Principles of Engineering 6053 - Digital Electronics 6055 - Computer Integrated Manufacturing</td>
</tr>
<tr>
<td><strong>Science, Technology, Engineering and Mathematics</strong></td>
<td>6144 - STEM I: Foundation 6145 - STEM II: Application 6146 - STEM III: Context</td>
</tr>
<tr>
<td><strong>Social Health Services</strong></td>
<td>6137 - Intro to Human Studies 6013 - Lifespan Development 6136 - Family Studies 3433/3422 - Psychology and/or Sociology</td>
</tr>
<tr>
<td><strong>Therapeutic Services</strong></td>
<td>5998 - Health Science Education 3251 - Anatomy &amp; Physiology 5999 - Medical Therapeutics</td>
</tr>
<tr>
<td><strong>Web Design</strong></td>
<td>6095 - Computer Science Foundations 6100 - Web Design Foundations 6101 - Website Development</td>
</tr>
<tr>
<td><strong>Fine Arts</strong></td>
<td>Any three (3) Fine Arts courses beyond the required Credit for Visual or Performing Arts</td>
</tr>
<tr>
<td><strong>Advanced Placement (AP)</strong></td>
<td>Any three (3) AP courses</td>
</tr>
<tr>
<td><strong>Remedial</strong></td>
<td>Freshmen Skills for Success Core Math Any remedial A classes (algebra, geometry, biology)</td>
</tr>
</tbody>
</table>
Honors/ Distinction Requirements

Graduating with Honors
Tennessee graduates who score at or above the readiness benchmarks on the ACT or SAT will graduate with honors. The readiness scores are:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>18</td>
</tr>
<tr>
<td>Mathematics</td>
<td>22</td>
</tr>
<tr>
<td>Reading</td>
<td>22</td>
</tr>
<tr>
<td>Science</td>
<td>23</td>
</tr>
</tbody>
</table>

Graduating with Distinction
Tennessee graduates who maintain a B average and complete an additional approved credential will graduate with distinction. Approved credentials include:

- Nationally recognized industry certification
- Tennessee Governor's School
- All State musical organization
- National Merit finalist or semi-finalist
- A composite score of 31 or higher on the ACT
- A score of 3 or higher on two AP exams
- 12 or more hours of transcripted post-secondary credit

Work Ethic Diploma Distinction
The Tennessee Labor and Education Alignment Program (LEAP) has awarded a grant to Hamblen county in conjunction with the Tennessee College of Applied Technology (TCAT) of Morristown and Phipps Bend. Students may graduate with the Work Ethic Diploma Distinction by meeting certain standards. These standards place emphasis on areas such as tardiness, absenteeism, career awareness, and drug free status. Each standard has been assigned a certain number of points, and students must receive 20 points in order to qualify. All of these standards are based upon the input of business leaders, human resource and plant managers, community leaders, and post-secondary representatives. Students who earn the Work Ethic Diploma Distinction and meet certain job-related qualifications will be guaranteed an interview with 30 companies located in Hamblen, Hawkins, and Grainger counties.
Grading System

Grade reporting is done at the end of each nine weeks. The following grading scale is used at Morristown West High School:

- **A**: 93 - 100
- **B**: 85 - 92
- **C**: 75 - 84
- **D**: 70 - 74
- **F**: 0 - 69

Grades given at the end of each nine-week period will be determined from daily work and oral and written assignments. In computing the grade, the teacher will weigh the value of grades given for various assignments within the nine-week period. This procedure will enable the teacher to allow for individual differences in grading. Grades for the term will be determined by averaging the two nine-week averages and the term exam. Advanced or Honors Classes will get 3 extra points to the numerical average and Advanced Placement Classes will get 5 points. Progress reports are sent home at the mid-point of each nine-week grading period.

The GPA (grade point average) is the average of the letter grades earned in classes, divided by the total number of classes taken. Extra points are earned for taking advanced classes.

<table>
<thead>
<tr>
<th>Regular Classes</th>
<th>A = 4</th>
<th>B = 3</th>
<th>C = 2</th>
<th>D = 1</th>
<th>F = 0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Classes</td>
<td>A = 4.5</td>
<td>B = 3.5</td>
<td>C = 2.5</td>
<td>D = 1.5</td>
<td>F = 0</td>
</tr>
<tr>
<td>AP Classes</td>
<td>A = 5</td>
<td>B = 4</td>
<td>C = 3</td>
<td>D = 2</td>
<td>F = 0</td>
</tr>
</tbody>
</table>

Work Based Learning

Students are required to remain in school for all four periods except for 11th and 12th graders who are enrolled in Marketing or Work Based Learning programs. They may be dismissed at 1:20 PM in order to report to work. Students may leave early only if their job requires them to report to work before 3:00 p.m., if they have met all other graduation requirements, and if they have parental permission. This program is also limited availability because each teacher can only supervise 25 students maximum per term. Only those students leaving early are eligible for work credit.

Articulation

Articulation can provide a seamless transition between secondary and post-secondary education and allow students the opportunity to accrue credit or advanced hours at a post-secondary institution for course work completed at the high school level. These courses have the potential, either alone or in combination with related courses, to articulate into Tech Prep Program areas at either Walters State Community College or the Technology Center in Morristown. Cosmetology articulation may be arranged through the
Technology Center in Knoxville. In order for a student to articulate credit from high school into a post-secondary program, the student must meet the following criteria:

- Student plans to pursue an Associate’s Degree, a certificate or approved apprenticeship in a technical career field following high school graduation. The student’s Six-Year Educational Plan provides the necessary documentation of this requirement.
- Student’s course of study includes at least 4 units in a career-technical area of concentration. (CTE)
- Student’s course of study is a program with a formal Articulation Agreement between the high school and a post-secondary institution.

Some students may not choose to take advantage of the credit option; however, a student who desires to articulate credit must complete an articulation application and must meet the requirements for articulation specific to the post-secondary institution where credit is requested. Students may obtain the application for credit forms from their high school counselor, technology teacher, or at WSCC or TTC.

**Athletic Eligibility**

To be eligible to participate in athletic contests at West High School, a student must be in good standing at West High School, meet all TSSAA regulations, have insurance, have the permission of his/her parents, have a physical examination, and live in the West High School zone. Incoming freshmen must have been academically promoted to the ninth grade in order to be eligible. Students in grades ten through twelve must have earned six credits the preceding school year. All credits must be earned by the first day of the school year. Subjects passed during Summer School will be considered part of the preceding school year. A student who is ineligible first term may become eligible second term by passing three courses first term and meeting the other aforementioned requirements. A student may not participate in athletics if his/her 19th birthday occurs on or before August 1. Beginning with the ninth grade, a student is eligible to participate in athletics for eight consecutive terms. According to Hamblen County Board of Education Policy, a student enrolled at West High must reside with his/her legal guardian in the West High zone in order to be eligible for athletic participation.

**NCAA Clearinghouse**

In order to participate in college athletics and receive athletically-based financial aid, you must register with the NCAA Clearinghouse and meet academic and amateurism eligibility standards. You may register online at http://www.ncaaclearinghouse.net. Upon registration, students will need to fill out the student release form and bring them to the counseling office. The NCAA has adopted new legislation that will require prospects who intend to enroll at NCAA Division I and Division II institutions to supply ACT or SAT scores to the Clearinghouse directly from the testing agencies. The test code for NCAA on the ACT is 9999. Test scores on an official high school transcript will no longer be usable for NCAA purposes.
Course Selection and Schedule Changes

The courses students select will be the basis for the employment of teachers and the development of the master schedule for the upcoming school year. Accordingly, when students and parents sign the course selection sheet, they are considered to have contracted to participate in all requested courses or chosen alternates.

Be sure to list alternates for all elective courses. Otherwise, if the electives chosen are not available, courses will be scheduled at the discretion of the counselor or principal. Schedule changes will be limited. The counseling office will not be open during the summer. The Lead Counselor should be in the office the week after school is out and 2 weeks before the next school year begins.

**Consideration for a summer schedule change will be made:**
1. If a student wishes to attempt to balance the academic load. (These requests will be considered on a space available basis only.)
2. If a student wishes to sequence courses due to special circumstances. (These requests will be considered on a space available basis only.)
3. If a student received a course for which he/she did not register. (When a student selects an alternate, the student has “registered” for that course.)
4. If a student passed a course that he/she assumed he/she would fail.
5. If a student failed a course required for graduation.
6. If a student failed a course, registered for the course again and was assigned to the same instructor. (Where possible and on a space available basis, the request will be considered.)

It is the student’s responsibility to contact the guidance office should he/she fail a course required for graduation and need to retake the following semester.

*Remember: Schedules will only be changed during the conflict resolution period during the summer on a space available basis. There will be no other conflict resolution periods during the school year.*

Schedule changes are sometimes made during the 1st week of school when it involves adding required courses or helping to balance classes. Students may change from honors to regular classes upon teacher recommendation. Students cannot drop any class after 5 days without receiving a grade of F.

Sequencing Courses

Only one grade level of English may be taken per school year. Principal’s permission to take two in one year may be granted in order to allow a student who failed English or other academic course to catch up with his class. Science classes cannot be doubled up in a year in order to finish requirements early but may be doubled in order to reach a more advanced level. This will be done on a space available basis.
**Attendance**

**Attendance** is critical to success in high school. One 90 minute class is equal to two classes on a 6 period schedule. By state law, a student is petitioned to court if he/she misses 5 unexcused absences. Ten absences (unless Medical Excused) result in loss of credit. Students are required to continue attending classes even if credit has been denied.

**Testing**

All **Juniors** must take the ACT. The school will pay for it one time. Juniors who have not taken it or scheduled to take it by April will be tested on the Statewide ACT Test Day. **TNReady exams** are given to English I, II, II, Algebra I, II, Geometry, U.S. History, Biology, and Chemistry courses during the semester. Students enrolled in U.S. Government must take a U.S. Civics Test. **Advanced Placement** Tests are given in May on the National AP Testing days. Students must make a passing score determined by individual college and universities in order to receive college credit.

**Freshmen Experience**

Freshman eXperience (FX) at West High School is our organizational structure that we believe is essential to building a strong foundation for these young men and women to have a successful high school experience. All in-comming, first year freshmen, will be a part of FX. Each student will be assigned four core academic teachers who will work together with the other teachers through “academic teaming” to coordinate learning experiences and activities, resulting in academic success and a strong sense of belonging to West High School. We are positive that FX students benefit from this innovative approach to learning. We believe our approach to freshmen provides the structure and motivation, as well as encouragement necessary for each student to strive for his/her personal best.
As college admission and job opportunities become more competitive, it is necessary to continue a level of academic rigor. We encourage all students to take challenging courses during their senior year. All seniors are expected to take an English and Economics during the 12th grade year. School counselors will assist students in making wise choices for their future.

Seniors are still required to take 8 units of credit their senior year. After looking at everything that is traditionally available, if all requirements have been met, then other options are available. These will involve costs but may complement future plans:

With an application, junior and senior students will be allowed to enroll as Dual Enrollment Students. Courses taken may count as credits required for graduation and could count as one or two of the eight required to be taken the senior year. Students will also qualify for a Dual Enrollment Lottery Grant which gives $500 for the first class, $500 for the 2nd class, $200 toward the 3rd class up to $1200 per year, the junior and senior years; however, the total amount over $1200 will be deducted from the Hope Scholarship as a freshman in college. The Grants are available to the following post-secondary institutions:

• Walters State Community College
• Carson Newman College
• Tusculum College
• University of Tennessee
• Tennessee Center of Applied Technology
Courses Offered at Morristown-Hamblen High School West

English Courses

**Freshman Skills for Success (H)**
Grade: 9
This course is designed to assist incoming freshman students in making a smooth transition into high school. Emphasis will be placed on teaching skills such as reading across the curriculum, organization and time management, project based learning, study skills, and the integration of technology.

**English I (H)**
Grade: 9 TNReady Exam
A course that seeks to integrate the standards of reading, writing, viewing and representing, and speaking and listening, students will work with a wide variety of texts, including traditional works of literature and practical and persuasive forms of communication that involves speaking and listening skills; the course emphasizes communication and critical thinking skills with attention to grammar, paragraph development, theme writing, and introduction to literary analysis.

**English I (R)**
Grade: 9 TNReady Exam
A course that seeks to integrate the standards of reading, writing, viewing and representing, and speaking and listening, students will work with a wide variety of texts, including traditional works of literature and practical and persuasive forms of communication that involve speaking and listening skills; the course emphasizes communication skills with intense attention to grammar, sentence structure, and paragraph development.

**English II (H)**
Grade: 10 TNReady Exam
A course that seeks to integrate the standards of reading, writing, viewing and representing, and speaking and listening, students will work with a wide variety of texts, including traditional works of literature and practical and persuasive forms of communication that involve speaking and listening skills; the course emphasizes communication and critical thinking skills with attention to grammar, paragraph development, theme writing, and beginning formal literary analysis.

**English II (R)**
Grade: 10 TNReady Exam
A course that seeks to integrate the standards of reading, writing, viewing and representing, and speaking and listening, students will work with a wide variety of texts, including traditional works of literature and practical and persuasive forms of communication that involve speaking and listening skills; the course emphasizes communication skills with intense attention to grammar, sentence structure, paragraph development, and theme writing.
Advanced Placement English Language – English III
Grade 11
The purpose of this course is to "engage students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes." This course is modeled after college composition courses "that teach students to read primary and secondary sources carefully and to synthesize material from these texts in their own compositions." **This class can be taken with AP U.S. History in a year-long combined course.**

English III (H)
Grade: 11 TNReady Exam
A course that seeks to perfect the integration of the standards of reading, writing, and viewing and representing, and speaking and listening, students will work with American Literature as the focus of literary works practical and persuasive forms of communication that involve speaking, and listening skills; the course emphasizes communication and critical thinking skills with attention to literary analysis and theme writing and the completion of a research project.

English III (R)
Grade: 11 TNReady Exam
A course that seeks to begin perfecting the integration of the standards of reading, writing, viewing and representing, and speaking and listening, students will work with American Literature as the focus of literary works practical and persuasive forms of communication that involve speaking and skills; the course emphasizes communication and critical thinking skills with attention to theme writing and the completion of a research project.

Advanced Placement Literature English IV
Grade: 12
A concentrated study of composition skills and an in-depth literature study on a college level, using college textbooks. Students are strongly encouraged to take the Advanced Placement test given nationwide in May, with the opportunity of receiving college credit or advanced placement in college. Research paper and Senior Portfolio are required. Summer and fall reading is mandatory and will attribute to overall grading. The use of a home computer with access to the internet is also expected. All students will be provided an ereader with all required readings preinstalled.

English IV (R)
Grade: 12
A course that seeks to continue the integration of the standards of reading, writing, and viewing and representing, and speaking and listening, students will work with British Literature as the focus of literary works, and practical and persuasive forms of communication that involve speaking and listening skills; the course emphasizes communication and critical thinking skills with attention to theme writing. The completion of a research paper and Senior Portfolio is required.

ELL
This course is for students whose native or first language is not English. Students are given a test by the ELL teacher in order to enter and exit ELL. This class is required if the specified state score on the TELPA or ELDA is not met. ELL is a year long course. Each year of ELL may replace up to two English requirements. Two regular English courses are required to meet graduation requirements.
Study Skills ACT Preparation
Grades: 11-12
College Prep Study Skills is a course designed to emphasize the skills necessary for success on college entrance exams, particularly the A.C.T. Topics include reading with a purpose, note-taking, time management, college applications, application essays, activity resumes, business letters, and career information. Activities promote teamwork and communication skills are utilized.

Creative Writing
Grades: 11-12
Creative Writing is a class for students who enjoy writing. During the course of the semester, we will author: a children's book, a script, an infomercial, and various other styles of writing.

Theatre Arts I
Grades: 9-12
Emphasis on basic acting techniques, expression of ideas, and basic scenery design and construction.

Theatre Arts II
Grades: 10-12 Prerequisite: Theatre Arts I or teacher recommendation
Class covers all aspects of theater with hands on experience.

Theatre Arts III / Forensics
Grades: 9-12
This class is designed for the college bound student to enhance one's public speaking skills. The focus of the class will be Debate, Extemporaneous Speaking, Original Oratory, Impromptu and After Dinner Speaking. Other topics will also be covered. Participation in Saturday tournaments is a requirement of this class.

Mathematics Courses

Placement for Freshmen is determined by standardized test scores and teacher recommendation.

Math Skills
Grade 9 (two terms)
This course is taken simultaneously with Algebra I (year-long). This course provides a comprehensive study of the number system emphasizing symbolic algebraic notation. It is the entry level mathematics course that is designed for those students needing additional practice to succeed in Algebra I (year-long).

Algebra I – Math Skills
Grade 9 (two terms) (TNReady Exam)
Requirement: Math Skills taken concurrently. This course emphasizes linear and quadratic expressions, equations, and functions. This course also introduces students to polynomial, rational and exponential functions with domains in the integers. Students explore the structures of and interpret functions and other mathematical models. Students build upon previous knowledge of equations and inequalities to reason, solve, and represent equations and inequalities numerically and graphically.
Algebra I (R)
Grade 9 (two terms) (TNReady Exam)
This course emphasizes linear and quadratic expressions, equations, and functions. This course also introduces students to polynomial, rational and exponential functions with domains in the integers. Students explore the structures of and interpret functions and other mathematical models. Students build upon previous knowledge of equations and inequalities to reason, solve, and represent equations and inequalities numerically and graphically.

Algebra I (H)
Grade 9 (one term) (TNReady Exam)
Prerequisite: Algebra I
This course covers all of Algebra I but also some additional topics and more challenging problems, thus giving a better background and stronger preparation for all higher mathematics and science courses.

Geometry (H)
Grades 9 (one term) (TNReady Exam)
This course covers all of Geometry but also an in-depth study of plane and solid geometry with emphasis on theory and formal proof. It is recommended for those students who have previously exhibited outstanding mathematical ability and express the desire to pursue enrollment in advanced mathematics.

Geometry (H)
Grades 10-11 (one term) (TNReady Exam)
Prerequisite: Algebra I with teacher recommendation
This course covers all of Geometry but also an in-depth study of plane and solid geometry with emphasis on theory and formal proof. It is recommended for those students who have previously exhibited outstanding mathematical ability and express the desire to pursue enrollment in advanced mathematics.

Geometry (R)
Grades 10 (one term) (TNReady Exam)
Geometry emphasizes similarity, right triangle trigonometry, congruence, and modeling geometry concepts in real life situations. Students build upon previous knowledge of similarity, congruence, and triangles to prove theorems and reason mathematically. This course also introduces students to geometric constructions and circles. Students show a progression of mastery and understanding of the use and application of surface area and volume. This course should be taken after Freshman Algebra I (year-long).

Algebra II (R)
Grade 10-11 (two terms) (TNReady Exam)
Prerequisite: Algebra I and Geometry
Algebra II emphasizes polynomial, rational and exponential expressions, equations, and functions. This course also introduces students to the complex number system, basic trigonometric functions, and foundational statistics skills such as interpretation of data and making statistical inferences. Students build upon previous knowledge of equations and inequalities to reason, solve, and represent equations and inequalities numerically and graphically.
Algebra II (H) (one term) (TNReady Exam)
Grades 9
Prerequisite: At least a B in Honors Geometry with a teacher recommendation.
A rigorous college prep course designed for students who plan to major in mathematics or related fields in college or who are talented in mathematics. Emphasis is on polynomial, rational and exponential expressions, equations, and functions. This course also introduces students to the complex number system, basic trigonometric functions, and foundational statistics skills such as interpretation of data and making statistical inferences. Students build upon previous knowledge of equations and inequalities to reason, solve, and represent equations and inequalities numerically and graphically.

Algebra II (H) (one term) (TNReady Exam)
Grades 10-11
Prerequisite: At least a B in both Algebra I and Geometry with a teacher recommendation.
A rigorous college prep course designed for students who plan to major in mathematics or related fields in college or who are talented in mathematics. Emphasis is on polynomial, rational and exponential expressions, equations, and functions. This course also introduces students to the complex number system, basic trigonometric functions, and foundational statistics skills such as interpretation of data and making statistical inferences. Students build upon previous knowledge of equations and inequalities to reason, solve, and represent equations and inequalities numerically and graphically.

Bridge Math/SAILS(Seamless Alignment and Integrated Learning Support)
Grade 12
Prerequisite: Algebra II with a ACT math sub-score 18 or below
Bridge Math is an ACT review of Algebra I, Geometry, and Algebra II, suggested for those students not meeting the math ACT sub-score of 19. (Based on State Department decisions and upon a student meeting the course requirements, students may earn a remedial college math credit.)
SAILS integrates the Tennessee Board of Regents Learning Support (developmental) math competencies with the Department of Education Bridge Math standards. SAILS utilizes a facilitated hybrid instructional model, combining the professional pedagogical expertise of the certified HS math teacher with dynamic properties of multimedia and digital content. Research supports that this blended system of teaching and learning is the most effective at engaging students with their work, and increases their success rate.

Applied Mathematical Concepts
Grade 12
Prerequisite: Algebra II with an ACT math sub-score of 19 or above. For students not planning to major in the physical sciences, engineering, mathematics, or computer science. Concepts includes the following domains and clusters: Financial Mathematics, Linear Programming, Logic and Boolean Algebra, Problem Solving, Investigate Logic, Organize and Interpret Data, Counting and Combinatorial Reasoning, Normal Probability Distribution, and Understand and Use Confidence Intervals.

Pre-Calculus (R)
Grades 11-12
Prerequisite: Algebra II with teacher recommendation
This course is designed for those students who do not intend to take Calculus the following year. Pre-calculus is designed to prepare students for college level STEM focused courses. Students extend their knowledge of the complex number system to use complex numbers in polynomial identities and equations. Topics for student mastery include vectors and matrix quantities, sequences and series, parametric equations, and conic sections. Students use previous knowledge to continue progressing in their understanding of trigonometric functions and using regression equations to model quantitative data. This course is recommended for advanced math students, including all students wanting to take AP calculus.
Pre-Calculus (H)
Grades 11-12
Prerequisite: A or B in Algebra II (H) with teacher recommendation
Pre-calculus is designed to prepare students for college level STEM focused courses. Students extend their knowledge of the complex number system to use complex numbers in polynomial identities and equations. Topics for student mastery include vectors and matrix quantities, sequences and series, parametric equations, and conic sections. Students use previous knowledge to continue progressing in their understanding of trigonometric functions and using regression equations to model quantitative data. This course is recommended for advanced math students, including all students wanting to take AP calculus.

Advanced Placement Statistics - AP Statistics
Grades 11-12
Prerequisite: Honors Algebra II - All other students must have teacher approval.
AP Statistics is a rigorous, college-level course. All students in this class are strongly encouraged to take the AP Statistics test. Students who are interested in pursuing a college major that requires a Statistics credit should consider taking this course. Statistics is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The major themes in Statistics include: interpreting categorical and quantitative data, conditional probability and other rules of probability, using probability to make decisions, and making inferences and justifying conclusions. There is a heavy emphasis on both math and writing skills, as students will be asked to explain, defend, and interpret their work.

Advanced Placement Calculus I/II
Grade 12 (two terms)
Prerequisite: Pre-Calculus (H) with teacher recommendation
This course is the "core" of all upper level math courses. Because of the nature of the course, college credit must be based on proficiency as results of the AP exam.

Science Courses

Biology I (R)
Grade 9 (TNReady Exam)
This is an introductory course in general biology, designed to meet the Tennessee state standards. This class will cover a wide range of topics that include the cellular basis of life, ecology, photosynthesis and cellular respiration, genetics and biotechnology, diversity of life, and evolution. Ongoing laboratory work and activities will supplement the topics covered.

Biology I (H)
Grade 9 (TNReady Exam)
This introductory course is an accelerated study of living organisms. The class covers all Biology I Tennessee standards: basic life processes, diversity of life to include interactions and interdependence of species, the contributions of men and women to the understanding of biology, the ideas behind the theory of biological evolution, plus current and future biological technologies. Laboratory exercises will be used to reinforce and explore these concepts.
**Physical Science (R)**
Pre-requisite: Biology
This course includes the study of metric measurements and basic physics principles. The study of electricity as well as light energy, sound energy and waves are included. This course involves the Atomic Theory that includes the role of subatomic particles, the periodic table, and the matter-energy relationships in chemical changes. Math skills are needed for simple computations using formulas and conversions.

**Chemistry (R) (TNReady Exam)**
Pre-requisite: Algebra I
The aim is to make introductory chemistry accessible to students who have little or no background in chemistry or Algebra skills. It provides basic coverage of chemical concepts, applications, and a brief introduction into organic chemistry.

**Chemistry (H) (TNReady Exam)**
Co-requisite: Algebra II and math teacher recommendation
Students must be strong in math in order to be successful in honors chemistry. The course is an advanced introductory program in college preparatory chemistry. It blends theory with practice and calculations with descriptive chemistry. Emphasis is placed on problem-solving skills, atomic and molecular structure, states of matter, and chemical reactions.

**Chemistry II (H)**
Prerequisites: Chemistry I Honors
Pre-requisite: Algebra II
This is the second course in the chemistry sequence. This course is **strongly** recommended for those students who plan on majoring in engineering or a field of science in college, as well as those that are interested in a health-related career. Chemistry II is an in-depth, comprehensive study of the topics covered in Chemistry I, but also explores some topics not covered in Chemistry I, such as kinetics and equilibrium. Students must have strong math skills for this course. Laboratory work is an integral part of Chemistry II and is more advanced than Chemistry I. Students will develop their laboratory skills, while applying chemical concepts to real world situations. This course will also serve as a pre-cursor to AP Chemistry and is required before taking AP Chemistry.

**Advanced Placement Chemistry**
Pre-requisite: Chemistry II (H) in the fall followed by AP Chemistry in the spring A continuation of Chemistry II, students will refine and master their experimental and analytical abilities in this chemistry course through laboratory and problem-solving situations. Topics will include kinetics, equilibria, thermodynamics and electrochemistry. Students will have the opportunity to test for Advanced Placement college credit in chemistry. This is a rigorous, college level class and is designed for college-bound students interested in majoring in science or engineering.

**Physics (R)**
This course is designed for students with an interest in science, mathematics, and engineering. Physics is the study of matter and energy. Topics of study include classical mechanics, motion, and momentum, energy forms of sound, heat, light, electricity, wave theory, and atomic theory. Investigations in laboratory and classroom demonstrations are included.

**Physics (H)**
Pre-requisite: Algebra II and teacher recommendation
This course is designed to develop an understanding of the relationship of man and the physical world. The content includes the description of physical properties and interactions of matter and energy, including equilibrium power, wave phenomena, mechanics, heat, electricity, magnetism, sound, light, spatial relativity and the particle nature of matter. Lab experiments accompany regular class work.
Anatomy and Physiology (H)
Pre-requisite: Chemistry and teacher recommendation
This course covers the structure and functioning of the human body. The course begins with an introduction to the human body and the key chemistry concepts needed to understand its processes. Laboratory experiences are provided related to the body system being studied and will include microscopy, data collection and analysis, and extensive dissection activities. Students will be required to engage in critical thinking and problem solving activities as well as research based projects. This class is recommended for students pursuing a health-related career.

Biology II (H)
Pre-requisite: Chemistry and teacher recommendation
Biology II is a beginning unit of biochemistry. This class provides a background for introductory college Biology concepts. Emphasis is placed on areas of cell structure and function, genetics and molecular biology. Extensive laboratory experiences are a major component of the course.

Advanced Placement Biology
Pre-requisite: Biology II and teacher recommendation
A continuation of Biology II, the Advanced Placement biology course is designed to be the equivalent of a college introductory biology course. The program aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. There are a minimum of 8 required labs from the AP program, along with related activities, included in the course.

Advanced Placement Environmental Science
Pre-requisite: Physical Science or Chemistry Regular and teacher recommendation
Advanced Placement in Environmental Science is designed to be the equivalent of a one semester course in college-level ecological studies. Students will cover a variety of topics such as ecosystems, populations, land and water issues, pollution and global climate changes. AP Environmental Science will have a heavy emphasis on lab-based inquiry and ongoing outdoor projects. In addition, there will be field trips and/or in-class experiences designed to expose students to various environmental issues.

Social Studies Courses

World History and Geography (9)
This is a study of world history from 1750 to the present. Students will also learn fundamental concepts in politics, economics, and geography within the context of Modern World History.

World History and Geography – Pre-AP (H) (9)
This is a study of world history from 1750 to the present. Students will also learn fundamental concepts in politics, economics, and geography within the context of Modern World History. This class will also cover skills needed in Advanced Placement Social Studies classes.

Honors World History and Geography is designed for students preparing for AP courses in Social Studies.

AP Human Geography (9)
This is a study of the world with an emphasis on its cultural characteristics and coverage of its physical characteristics. Topics covered in this class include population, cultural patterns, and political organization of space, agricultural and rural land use, industrialization, economic development, and urbanization. This class will prepare students to take the Advanced Placement test in Human Geography. Students may earn three hours of college credit by passing the AP Geography test.
U.S. Government and Civics (10)
This course will examine the foundations of American government with emphasis on the origins of our government, the Constitution, and federalism. It also includes a study of the three branches of government, civil liberties, civil rights, and state/local government.

American Business Legal Systems 5892
Grades: 10-12
*This course can substitute for US Government and earn one US Government credit.
This course provides students with an in depth understanding of the legal system of the United States and how it applies to them in their day to day life. Students will learn contract law as well as the origins and structure of both the state and federal court systems. Students will compare and contrast the civil and criminal court systems. How the branches of government affect and influence the legal system as well as the political system will also be examined. Students will analyze the alliance between capitalism and democracy and be better prepared to influence future decisions in the public and private sectors of the United States. Students will study and analyze real cases and prepare and present a mock trial at the end of the term to put into practice many of the concepts learned throughout the semester.

U.S. Government and Civics - Pre AP (H) (10)
Topics covered in this class include Constitutional underpinnings of United States government, political beliefs and behaviors, political parties, interest groups, the mass media, three branches of government, public policy, civil liberties, and civil rights. This class will also cover skills needed in Advanced Placement Social Studies classes. Honors U.S. Government is designed for students preparing for AP courses in Social Studies.

AP Government and Politics: United States (10)
Topics covered in this class include the constitutional underpinnings of United States government, political beliefs and behaviors, political parties, interest groups, mass media, institutions of national government, public policy, civil rights, and civil liberties. This class will prepare students to take the Advanced Placement test in United States Government. Students may earn three semester hours of college credit by passing the AP United States Government test.

U.S. History and Geography (11) (TNReady Exam)
This is a survey of American History that focuses on 1877 to the present. Students will also learn fundamental concepts in civics, economics, and geography within the context of United States History

AP U.S. History (11)
This course is a survey of American History from exploration to the present. This class will prepare students to take the Advanced Placement test in U.S. History. Students may earn up to six hours of college credit by passing the AP History test. This class can be taken with AP Language in a year-long combined course.

Economics/Personal Finance (12)
A study of how society, individuals, and businesses deal with the problem of unlimited wants and scarce resources. This course provides students with practical applications which will help them make wise economic choices.

AP Macroeconomics/AP Microeconomics (12)
An extensive study of how society, individuals, and businesses deal with the problem of unlimited wants and scarce resources. This class will prepare students to take Advanced Placement tests in Macroeconomics and Microeconomics. Students may earn three hours of college credit by passing the AP Macroeconomics test and an additional three hours of college credit by passing the AP Microeconomics test.
Ancient History (H)
An elective survey of the Ancient World from the Fertile Crescent to the Middle Ages and Renaissance. This class examines the early civilizations of Egypt, Greece, and Rome. Also, this course has an extended look at the development of major world religions. Ancient History is designed to prepare students for Advanced Placement courses in Social Studies by developing historical writing skills required in AP European History and AP World History.

Contemporary Issues
This course will facilitate student analysis of modern society’s most pressing issues. Careful attention will be given to the roots of these important issues as well as their potential effect on our modern society. Students will be building upon their previous core of knowledge to develop fact-based opinions on these issues. The topics covered in this course vary based on the pressing issues of the day.

AP European History
Recommended Prerequisite: Ancient History (H)
The study of European History since 1450 introduces the cultural, intellectual, political, and social development that played fundamental roles in shaping the world. The goals are to develop an understanding of the principal themes in European History, the ability to analyze and interpret historical evidence through written expression, and preparation for the AP European History Exam. Students may earn up to six semester hours of college credit by passing the AP European History Exam. AP European History is offered every other year, alternating with AP World History. World History is offered during the even school years (i.e. 2016-17) and European History is offered the odd school years (i.e. 2017-18).

Psychology (10 - 12)
Students will study the development of scientific attitudes and skills, including critical thinking and problem solving. Students will examine the structure and function of the nervous system, the process of sensation and perception. Students will examine social and cultural diversity among individuals.  Students will also study memory, perspectives of abnormal behavior, categories of psychological disorders, and treatment thereof.  Throughout the course, students will examine connections between content areas within psychology and relate psychological knowledge to everyday life.

AP Psychology (10 - 12)
Psychology is the scientific study of how humans learn, think, feel, and behave. This class will prepare students to take the Advanced Placement test in Psychology. Students may earn three semester hours of college credit by passing this exam.

Sociology (11 - 12)
Students will explore the ways sociologists view society and how they study the social world. In addition students will analyze the nature of culture and the role it plays for the individual and society. Students will analyze the dynamics of social interaction and social structure, the roles played by groups and organizations in society and the process of socialization. Students will also analyze major social problems, changes that occur in society, and the impact of those changes.

Sociology is a dual-credit class, open to juniors and seniors. At the end of the course, students will be tested and successful completion of the test will earn students a high school credit in sociology as well as college sociology credit. There is no cost to the student to take the test. This class is based upon teacher recommendation.
AP World History
Recommended Prerequisite: Ancient History (H)
This course is a survey of World History that will address the major civilizations of Europe, Asia, Africa, and the Americas. This class will prepare students to take the Advanced Placement test in World History. Students may earn up to six hours of college credit by passing the AP World History test. **AP World History is offered every other year, alternating with AP European History. World History is offered during the even school years (i.e. 2016-17) and European History is offered the odd school years (i.e. 2017-18).**

World Language Courses

Levels I and II of each world language are designed to help students meet the world language requirement necessary for university admissions. These two courses are also the building blocks for students who desire to take honors and AP-level world language courses while in high school.

Due to the emphasis on grammatical concepts, it is recommended that students be proficient in English grammar before taking world language courses. The world languages department has developed a grammar diagnostic test which will help students, parents, and teachers have a clearer picture of a student’s readiness for taking world language courses. If a student’s skills (particularly grammar skills) are not strong in English, (s)he will have a difficult time in learning another language. Freshmen will have the opportunity to take this diagnostic test in TNN before they register to help them make sound decisions about when they should take their language courses and which language they should take. Any upperclassman interested in taking this diagnostic test should see Mr. Herron or Ms. Cobb. The grammar test contains 4050 multiple choice questions and is in English.

Any world language course requires students to learn a great deal of vocabulary and grammatical structures. One of the major goals of language classes is to prepare students for continued language study at the university level. Please ask any of the world language teachers for help in making this important decision of which language you should study. We would be honored! We have materials available about each language and the benefits of taking it.

West High world language teachers want students to be successful. We encourage you to pick as your first choice the language in which you are most interested and which will help you in your career choice and future life experiences. Instead of settling for your second choice, your first choice will encourage you to have the best language experience possible.

**Recommended Sequence of Study for Students Taking an AP World Language Course**

- For students who begin their study of world languages as a sophomore:

  Semester Sophomore Year, Junior Year, Senior Year
  Fall: Language I, Language III (H), Language IV (H)
  Spring: Language II, — AP Language

- For students who begin their study of world languages as a junior:

  Semester Junior Year Senior Year
  Fall: Language I, Language III (H)
  Spring: Language II, AP Language
French I
Grades: 10-12
Students will learn basic French grammar and vocabulary which will give them the skills needed to communicate with those who speak French and will develop an appreciation for the French culture and people.

French II
Grades: 10-12
Students will improve and expand their ability to communicate in French by studying more specialized vocabulary. Students will also learn more advanced grammar in French II and will participate in taking the National French Exam in March.

French III (H) Fall semester only, IV (H), and V (H)
Grades: 11-12 Prerequisite: Teacher recommendation
The purpose of the third and fourth courses of French is to solidify the grammar and vocabulary students have already learned in French I and II and to expand their knowledge of further vocabulary and advanced grammatical concepts. Particular emphasis is placed on spontaneous conversational skills and developing reading and composition abilities. Students will participate in taking the National French Exam in March. These three courses are pre-AP courses designed to help students prepare for the AP French Language course and university language placement exams. French will be spoken almost exclusively in these courses. French IV (H) or V (H) is not required to take AP French Language, but it is recommended.

AP French Language Spring semester only
Grade: 12 Prerequisite: Teacher recommendation
Students who enroll in AP French Language should already have a good command of French grammar and vocabulary and have competence in listening, reading, speaking, and writing. Although these qualifications may be attained in a variety of ways, it is assumed that most students will be in the final stages of their secondary school training and will have had substantial course work in the language (i.e., French I & II, French III (H) (and possibly French IV (H)).

German I
Grades: 10-12
This course stresses primarily speaking and writing in German as well as understanding spoken German. Students are exposed to geography of German speaking countries & other cultural information.

German II
Grades: 10-12
This continues the study of the language in a more detailed survey including reading the language. Students participate in cultural projects and research activities.

Latin I and II
Grades: 10-12
Latin is a student-friendly and relaxed learning environment. The approach of this class is to make Latin useful and applicable in the modern day. This class is useful for those wishing to work in the medical field. Examples of what will be studied in this class are Latin language, mythology, ancient history, Latin/Greek roots and vocabulary, medical terminology, and, advanced English vocabulary from Latin roots. The class also improves ACT scores.
Spanish I
Grades: 10-12
The purpose of Spanish I is to encourage interest in the language, culture, and history of Spanish-speaking countries and develop language skills knowledge needed to proceed to Spanish II. It class provides basic language skills needed to communicate on both written and oral formats in the Spanish language. The design of the course class requires a high level of participation from the students as they will be required to speak, read, write, and/or listen to Spanish on a daily basis. Students will develop an appreciation for Hispanic culture.

Spanish I (H)
Grades: 10-12
In the honors section of Spanish I, students are expected to learn more vocabulary and complex grammatical structures than in the regular Spanish I course. The purpose of the course remains the same: to encourage interest in the language, culture, and history of Spanish-speaking countries and develop language skills needed to proceed to the honors section of Spanish II. It provides the same skills as the regular course, but on a more advanced level while also requiring a variety of additional projects and presentations throughout the semester. Students interested in taking Honors Spanish I should have at least a 2.5 GPA and a C in Honors English courses or a B in regular English courses. Teacher recommendation and/or a placement test may be required.

Spanish II
Grades: 10-12
Spanish II offers all skills of communication and culture in a more advanced manner. In Spanish II, students will build upon the material skills learned in Spanish I and continue to develop language skills needed to proceed to college-level Spanish courses. Emphasis is placed on verb conjugations in various tenses, including past, future, and conditional. Students will spend more time practicing their use of the language in real-life situations. Although the prerequisite for Spanish II is a passing score in Spanish I, it is also recommended that the student receive at least a C average in Spanish I and maintain at least a B average in English courses.

Spanish II (H)
Grades: 10-12
In the honors section of Spanish II, students are expected to learn more vocabulary and complex grammatical structures than in the regular Spanish II course. The purpose of the course remains the same: to build upon the material learned in Honors Spanish I and continue to develop language skills needed to proceed to college-level Spanish courses. It provides the same skills as the regular Spanish II course, but on a more advanced level while also requiring a variety of additional projects and presentations throughout the semester. Students interested in taking Honors Spanish II should have at least a C in Honors Spanish I or an A in the regular Spanish I course. Teacher approval is required.

Music Courses

Flag Corps / Marching Band
Grades 9-12
After a student desiring to take Flag Corps has passed a tryout given by the director, she may enroll with the director’s permission. Flag Corps participates in parades, competitions, athletic half-time performances, etc. Many of the events are out of town.
**Instrumental Music / Marching Band**  
Grades 9-12 (1st term)  
For students with advanced musical and marching ability who have been selected by auditions given each summer. This band participates in parades, competitions, athletic half time performances, etc. Several of the events are out of town.

**Instrumental Music / Concert Band**  
Grades 9-12 (2nd term)  
For students with advanced musical ability who have been selected through an audition process. This class covers a variety of styles of music as it prepares for concerts and competitions.

**Mixed Advanced Concert Choir**  
Grades 9-12 (2 terms) Prerequisite: audition by choral instructor & recommendation from two other teachers.  
This ensemble is an advanced level course requiring a yearly commitment to excellence in vocal music performance for boys and girls. A wide range of choral literature will be explored from various periods and cultures, with the goal of performing at the highest level possible. Attendance for all rehearsals and performances is mandatory. Uniforms are required and may be either purchased or rented each year.

**Girls Concert Choir**  
Grade 9-12) Prerequisite: audition by choral instructor & recommendation from two other teachers.  
This ensemble is for students of voice. Emphasis is placed on development of proper vocal tone, basic music theory, sight singing, music history, creative self-expression and vocal performance. Attendance for all rehearsals and performances is mandatory. Uniforms are required and may be either purchased or rented each year.

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**Art and Performing Arts Courses**

**Art I**  
Grades: 9-12  
This course is designed for the student who wishes to fulfill the arts requirement and to experience a general knowledge of the elements of art. Emphasis is placed on helping students to understand a general knowledge of art to build upon in advanced art classes, if so desired. Exploration is in a variety of media, such as drawing, painting, clay, ink, etc.

**Art II (Graphic Art Designs)** (Must have 85 average previous Art class)  
Graphic design fundamental concepts for computer art. A studio class for introducing the facets of art in regards to computer application as a tool in creative visual output. Basic design concepts leading into the use of software will be used in production of visual art works. The student will also explore ethical and intellectual dilemmas surrounding this burgeoning medium. This course introduces theory and practice of two-dimensional design concepts and color theory. A variety of media will be used. Individual and group problem solving skills will be emphasized. Deadlines and regular critiques will form the core of this course.

**Art II (Studio)** (Must have 85 average previous Art class)  
Grades: 10-12  
Studio concentration on painting, sculpture and fine art media. Students in this class should have an interest in art production as well as art critique. This class could be used as a fulfillment of the Elective Focus Option with the addition of Art II Graphic Design and/or Advanced Art.
**Art III & IV**
Grades: 11-12
Prerequisite: A or B in Visual Art II and teacher recommendation
This course is for the serious art student desiring to explore new methods of the visual experience, refine skills, and challenge individual creativity. Visual Art III & IV students should be able to critique works, explore personal taste and artistic value while being able to discuss differing evaluations. Various media will be explored.

**AP (Advanced Placement) Studio Art 2-D**
Grades: 11-12
This 2D Design class is designed for students who are seriously interested in the practical experience of art. The emphasis of this class to develop a portfolio of graphic arts based designs that comply with the Breadth, Concentration and Quality sections of the AP portfolio requirements. Students submit the portfolios for evaluation at the end of the school year.

**AP (Advanced Placement) Studio Art 3-D**
Grades: 11-12
This 3D Design class is designed for students who are seriously interested in the practical experience of art. The emphasis of this class to develop a portfolio of 3D based sculptural designs that comply with the Breadth, Concentration and Quality sections of the AP portfolio requirements. Students submit the portfolios for evaluation at the end of the school year.

**Theatre Arts I**
Grades: 9-12
Emphasis on basic acting techniques, expression of ideas, and basic scenery design and construction.

**Theatre Arts II**
Grades: 10-12 Prerequisite: Theatre Arts I or teacher recommendation
Class covers all aspects of theater with hands on experience.

**Theatre Arts III / Forensics**
Grades: 9-12
This class is designed for the college bound student to enhance one's public speaking skills. The focus of the class will be Debate, Extemporaneous Speaking, Original Oratory, Impromptu and After Dinner Speaking. Other topics will also be covered. Participation in Saturday tournaments is a requirement of this class.

**Lifetime Wellness**
Grade: 9
In this course, through a combination of health and physical fitness, students will (A) apply knowledge of the human body to make decisions related to nutrition, mental and physical health promotion, injury prevention, and disease prevention and control. (B) learn to make correct decisions related to nicotine, alcohol, and substance abuse prevention. (C) develop a plan for maintaining personal fitness and health. (D) demonstrate individual development in fitness and psychomotor skills to promote lifelong physical activity.
Physical Education II / Weight Training
Grades: 10-12
A major fitness goal at the high school level is to build a positive attitude toward good physical health. This program offers a variety of activities, such as: flexibility, calisthenics, weight lifting, strength and conditioning, agility drills, rope jumping and running.

Course: Advanced P.E. Competitive Sports (Fulfills 1/2 Advanced P.E. Requirement)
Grade Level: 10-12
Prerequisite: Successful completion of Wellness during the freshman year.
This course is offered to all students who need to fulfill their 1½ credits of physical education. The class is designed to prepare students for interscholastic/intramural sports and other advanced sporting endeavors. Advanced P.E. Competitive Sports will cover all of the following areas: weightlifting for strength and endurance, cardiovascular exercises, individual and team sports, plyometrics, agility, and flexibility training. Students must be highly motivated; this class will be taught at an advanced pace. Students will be introduced to a variety of exercise methods and techniques that will improve their overall physical fitness levels as well as introducing them to a variety of challenging and engaging sports.

Business/ Marketing/ Technology Courses

Accounting I 5910
Recommended Prerequisite or Concurrent with: Computer Applications
Grades: 10-12
Accounting I introduces concepts and principles based on a double-entry system of maintaining the electronic and manual financial records for a sole proprietorship, partnership and corporation. It includes analyzing business transactions, journalizing, posting, and preparing worksheets and financial statements.

Accounting II 5911
Recommended Prerequisite: Accounting I
Grades: 10-12
Accounting II is an advanced study of concepts, principles and techniques that build on the competencies acquired in Accounting I used in keeping the electronic and manual financial records of a sole proprietorship, partnership and corporation. Departmental, management, cost and not-for-profit accounting systems are explored.

Computer Applications 5891
*Required for all freshmen.
Grades: 9-12
This course is designed to develop computer technology skills. Students will improve keying net words per minute. Students will utilize Microsoft Office Word, Excel, PowerPoint, and Access. The students will develop skills that will assist them with efficient production; accurate production analysis; management of information and design and presentation of a multimedia project. Most all higher education programs and the workforce require basic computer skills. This course will prepare students to succeed in technology for entering the workforce or higher education.
Advanced Computer Applications 5904
Recommended Prerequisite: Computer Applications
Grades: 10-12
This course is for students who want to advance their basic computer applications skills to be ready for job placement and upper level technology courses in college utilizing Microsoft Office Word, Excel, PowerPoint, Access, and Publisher. Students increase their employability by working toward the attainment of high level skills in the areas of integrated software applications, communication skills, ethical issues, human relations, leadership, self-management, and workplace management. Students may choose areas of specialization and achieve industry certification in areas such as word processing, spreadsheet applications, multimedia presentations, schedule and contact management, etc. Students will be provided the opportunity to test in a Microsoft Office Specialist (MOS) certification. If the certification is passed, a student may obtain distinction for graduation.

Business Communications (Newspaper) 5888
Grades: 10-12 (two terms required meeting 2 credits unless approved by instructor first)
Prerequisites – Computer Applications. The newspaper advisor must accept a student from an application and teacher recommendation.
This course strongly combines journalism writing and graphic design. Students must be strong writers and proficient in technology. They will learn to use the Desktop Publishing software InDesign CS6 and Adobe Photoshop CS6 to produce the school newspaper each month along with update the school website daily and produce graduation and honors bulletins, flyers, etc. Students are expected to be able to work independently and in teams to meet weekly deadlines. Students are responsible for selling ads in the community and attending events for news coverage outside of school hours. The students must learn to produce work without error so that it can be published and distributed outside the classroom. Advanced graphic design is studied as well as careers in journalism, writing, and graphic design. Visits to local journalism mediums and guest speakers provide additional information about career requirements in graphic design, writing, and journalism.

Business Communications (Yearbook) 5888
Grades: 10-12 (two terms required meeting 2 credits)
Prerequisite: Computer Applications. The yearbook advisor must accept a student from an application and teacher recommendation.
This course covers all of the necessary skills that are essential for the production of the school annual. Students must be strong writers and proficient in technology. Students are expected to be able to work independently and in teams to meet deadlines. Students are responsible for selling ads in the community and attending events for event coverage outside of school hours. Students must produce work without error. Classroom activities involve the following: photography, selling ads, writing captions, art work, organization of layout, collection of deposits, and picture and yearbook distribution.

Business Management 5889
Recommended Prerequisite: Computer Applications
Grades: 10-12
Students in Business Management will develop a foundation in the many activities, problems, and decisions that are intrinsic to the management of a successful business, as well as an appreciation for the importance of these responsibilities. Areas to be examined include business organization, ethical and legal responsibilities, communication, decision-making, personnel, safety, professional development and related careers. By gaining an understanding of these areas, students will be better prepared to enhance the business decisions of tomorrow.
Cooperative Methodology 6105 (Work Based Learning)  
Grades 11-12  
Each student will be required to stay in school for all four periods except for 11th and 12th graders who are enrolled in Marketing I, Sports Event Planning or work based learning programs. They may be dismissed early (1:20) in order to report to work prior to 3:00 pm. Students may only leave early if their job requires it, if they have met all other graduation requirements, and have parental permission. For 1st term 1:20 work release students must be enrolled in Marketing I class. For 2nd term 1:20 students must be enrolled in Marketing II or Sports Event Planning. Students must be employed to be eligible for work release and must bring documentation of employment at the beginning of the year. The documentation must be on company letterhead, must state at what time the student is expected to report to work, and have a supervisor’s signature. Students must have written parental permission to register for work release. One work credit is earned each semester. In order to earn one work credit, a student must average 18 hours of work per week. A total of 324 hours is required to earn one work credit. **Students must be enrolled in either Marketing or Entrepreneurship and have 4th period work release the semester they intend to earn work credit.**

Sports Event Planning and Mgmt. (formerly known as Sports Marketing)  
Grades 10-12  
Sports and entertainment marketing is a specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Students will develop skills in the areas of facility design, merchandising, advertising, public relations/publicity, event marketing, sponsoring, ticket distribution, and career opportunities as they relate to the sports and entertainment industry.

Information Technology Foundations 6095  
This is a prerequisite for Web Design I Foundations  
Grades: 10-12  
Information Technology Foundations (ITF) is a course intended to provide students with exposure to various information technology occupations and pathways such as Networking Systems, Programming and Software Development, and Web Design. As a result, students will complete all core standards, as well as standards in two of three focus areas. Upon completion of this course, proficient students will be able to describe various information technology (IT) occupations and professional organizations. Moreover, they will be able to demonstrate logical thought processes and discuss the social, legal, and ethical issues encountered in the IT profession. Depending on the focus area, proficient students will also demonstrate an understanding of electronics and basic digital theory; project management and teamwork; client relations; causes and prevention of Internet security breaches; and writing styles appropriate for web publication. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.
Introduction to Business/Marketing 5905
Grades 9-12
This is an introductory course designed to give students an overview of the Business Management and Administration, Marketing, and Finance career clusters. The course helps students prepare for the growing complexities of the business world by examining basic principles of business, marketing, and finance in addition to exploring key aspects of leadership, ethical and social responsibilities, and careers. Students’ academic skills in communications, mathematics, and economics are reinforced with activities modeled in the context of business topics. Upon completion of this course, proficient students will be equipped with the foundational skills to succeed in any of the Business, Marketing, or Finance programs of study and will be prepared to make an informed decision regarding which pathways they would like to pursue in high school. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and Tennessee Economics standards.

Marketing and Management - Principles 5931
Grades: 10-12
This course’s principle focus is on the study of marketing concepts and their practical application. Students will examine risks and challenges marketers face to establish a competitive edge. Subject matter includes economics, marketing foundations / functions and human resource leadership development. Skills in communication, mathematics, economics and psychology are reinforced in this course. This can substitute for Economics but students would have to take the Personal Finance Class. Membership in DECA required. Work credit awarded only if student has 4th work release.

Personal Finance 5901
Grades 11,12
This course is designed to educate young adults about their financial needs in becoming independent. The course covers personal issues such as checking accounts, credit cards, renting/buying a home, transportation issues, insurance needs, investing, and budgeting. It also reveals how today’s economy, both nationally and globally, affect their standard of living. Career and educational needs are reviewed in order for young adults to consider proper career paths. Ethical and legal issues are intertwined with this course of study. Math computational skills are used in this course to fully quantify the consumer’s needs. This course must be taken if Marketing and Management Principles is substituting for the Economics requirement.

Computer Science Foundations 6095 Grades 9-12
Prerequisite to Web Foundations I
This is a course intended to provide students with exposure to various information technology occupations and pathways such as Networking Systems, Programming and Software Development, and Web Design. As a result, students will complete all core standards, as well as standards in two of three focus areas. Proficient students will be able to describe various information technology (IT) occupations and professional organizations. Moreover, they will be able to demonstrate logical thought processes and discuss the social, legal, and ethical issues encountered in the IT profession.

Web Foundations I 6100 Prerequisite: Computer Applications and Computer Science Foundations Grades 10-12
This course prepares students with work related skills for advancement into postsecondary education or industry. Students will work on a live website for a local nonprofit company. Students will learn about setting up their own website for a business, domain names and hosting fees. Course content includes exposure to basic Web Design of learning HTML5, Cascading Stylesheets CSS, Dreamweaver, and Photoshop. The course content provides students the opportunity to acquire fundamental skills in both theory and practical application of Web Design and of leadership and interpersonal skill development.
Audio Visual Technology Courses

Audio Visual I
Grades: 9-12
This offered for students interested in either the Audio and Video Technologies sub-cluster or the Journalism and Broadcasting sub-cluster of the arts and communication cluster. The overlap in these industries is extensive as can be witnessed in television, film, music, radio, newspaper, Web-cast, and entertainment just to name a few. This course is the entry-level course to prepare students for the media industry. Course content provides a broad-based exposure to audio, video, and journalism and broadcasting within the media industry. Upon completion of this course, students will be prepared to pursue advanced coursework in either audio and video technology or journalism and broadcasting.

Audio Visual II
Grades: 10-12
This offered in the audio and video technology sub-cluster to students who have completed Broadcasting I or obtained instructor’s approval. Course content focuses on broadcast production technologies utilizing simulated and/or real-life projects. This course centers on production of various broadcasting products including, commercials, music, news, and interactive programming. The student will gain valuable insight into the many facets of broadcast production, including but not limited to concept creation, scripting, sound design, visual design, engineering, editing, budgeting, and producing, as well as exploring some of the latest advances in industry technology. Upon completion of this course, students will be prepared to pursue advanced coursework.

Audio Visual III
Grades: 10-12
This offered in the Journalism and Broadcasting sub-cluster to students who have completed Broadcasting I and Broadcasting II or obtained the instructor’s approval. This course focuses on simulated real-life broadcast production and management. Projects center on in-house production of newscasts, special events, and original programming. The student will gain valuable insight into both audio and video sides of the broadcasting industry. Course content is composed of scripting, reporting, directing, editing, budgeting, and producing, as well as cameras, lights, sound, and set design. This course will explore the latest digital technology and applications, research, and future trends in the broadcast industry. Upon completion of this course students will be prepared to pursue post-secondary education or enter the broadcasting industry in an entry level position. The educational laboratories will assimilate broadcast facilities in the broadcast industry.

Human Studies Courses

Introduction to Human Studies (9,10) is a foundational course for students interested in becoming a public advocate, social worker, dietician, nutritionist, counselor, or community volunteer. This course covers the history of counseling, career investigation, stress management, mental illness, communication, and the counseling process.
Family Studies (10-12) is an applied knowledge course that examines the diversity and evolving structure of the modern family. Course standards focus on the demographic, historical, and social changes of interpersonal relationships, as well as parenting, and the effect of stressors on the family. (This course is taught every other year).

Lifespan Development (10-12) builds basic knowledge in human growth and development. The course standards include developmental theory, principles of growth, behavior of children from conception through adolescence, adult development and aging, and death and dying. (This course is taught every other year).

Nutrition Across the Lifespan (10-12) is for students interested in learning more about becoming a dietitian, nutritionist, counselor, or pursuing a variety of scientific, health, or culinary arts professions. This course covers human anatomy and physiological systems, nutrition requirements, as well as social, cultural, and other impacts on food preparation and integrity.

Nutrition Science and Diet Therapy (11-12) is an applied knowledge course in nutrition for students interested in the role of nutrition in health and disease. The course covers the development of a nutrition care plan as part of the overall health care process. Methods for analyzing the nutritional health of a community are explored. Finally, the relationship of diet and nutrition to specific diseases will be researched, including the role of diet as a contributor to disease and its role in the prevention and treatment of disease.

Fundamentals of Education (10-12) is a foundational course in the Education and Training career cluster for students interested in learning more about becoming a school counselor, teacher, librarian, or speech-language pathologist. This course covers the history of education in the United States, careers in education, and the influence of human development on learning.

Teaching as a Profession I (TAP I) (11-12) is an applied knowledge course for students interested in learning more about becoming a school counselor, teacher, librarian, or speech-language pathologist. This course covers the components of instruction, teaching strategies, types of assessments, student learning, special populations, and educational technology. Students in this course will conduct observations of educators at work and create artifacts for a course portfolio.

Teaching as a Profession II (TAP II) (12) is an applied knowledge course for students interested in learning more about becoming a teacher, school counselor, librarian, or speech-language pathologist. This course covers classroom management, concepts of higher order thinking, differentiating instruction, and strategies of effective classroom planning. Students in this course will demonstrate their skills in laboratory settings while building a course portfolio of work.

Health Science Courses

Health Science Education
Grades: 9-12
Health Science Education is an introductory course designed to prepare students to pursue careers in the various fields of health care. A student proficient in Health Science Education will be able to identify careers, compare and contrast the features of healthcare systems, explain the legal and ethical issues of the healthcare setting, and begin to perform foundational healthcare skills. This course will serve as a strong foundation for all of the Health Science programs of study and is required before taking further courses except Forensic Science.
**Medical Therapeutics**
Grades: 10-12 Prerequisite: A minimum C average in Health Science
Medical Therapeutics is an applied course designed to prepare students to pursue careers in therapeutic services such as nursing, physician, dental, veterinary and pharmacy. Upon completion of this course, the student will be able to identify careers in therapeutics services; assess, monitor, evaluate, and report patient/client health status; and identify the purpose and components of treatments. The student will incorporate communication, goal setting, and information collection skills to be successful in the workplace.

**Rehabilitative Therapies** “C” or better in Health Science
Grades 10-12 Prerequisite: Health Science Education
This course will focus on the knowledge and skills needed for rehabilitative careers such as physical therapy, speech therapy and music therapy. The muscular, skeletal and integument systems will also be covered. A prerequisite of a “C” or better in Health Science Education is required.

**Nursing Education**
Grades 11 – 12: Prerequisite: Health Science with a C or higher grade, 16 years old, plus one other health science class prior to Nursing.
It is set up to have clinical and for students to earn their Certified Nursing Assistant certification. Nursing education includes a variety of knowledge and skills necessary to become a health care worker. Students will learn valuable skills required for a career in nursing.

**Exercise Science**
Grades 11-12 Prerequisite: Health Science with a C or better and Rehabilitative Therapies
Exercise Science is an applied course designed to prepare students to pursue careers in kinesiology and exercise physiology services. Upon completion of this course, proficient students will be able to apply concepts of anatomy and physiology, physics, chemistry, bioenergetics, and kinesiology to specific exercise science contexts. Through these connections students will understand the importance that exercise, nutrition, and rehabilitation play in athletes or patients with debilitating or acute metabolic, orthopedic, neurological, psychological, and cardiovascular disorders. In addition, students have the opportunity to incorporate communication, goal setting, and information collection skills in their coursework in preparation for future success in the workplace.

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**Agriculture Courses**

**Agriscience**
This is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology serves in the 21st century. In addition, it serves as the first course for all programs of study in the Agriculture, Food and Natural Resources Cluster. This course counts as a lab science credit toward graduation and college entrance requirements. This course is the foundational course for all Agriculture, Food and Natural Resources programs of study.

**Greenhouse Management (Dual credit at any higher institution)**
Prerequisite: Principles of Plant Science and Hydroculture
Greenhouse Management is an applied-knowledge course designed to prepare students to manage greenhouse operations. This course covers principles of greenhouse structures, plant health and growth, growing media, greenhouse crop selection and propagation, and management techniques. It provides students with the technical knowledge and skills needed to prepare for further education and careers in horticulture production. Greenhouse Management is a dual credit course with statewide articulation.
Landscaping and Turf Science
Landscaping and Turf Science is an applied-knowledge course designed to provide challenging academic standards and relevant technical knowledge and skills needed for further education and careers in landscape design, maintenance, and turf management. Content includes site analysis and planning, principles of design, and plant selection and care techniques.

Agricultural Mechanics
Principles of Agricultural Mechanics is a course introducing students to basic skills and knowledge in construction and land management for both rural and urban environments. This course covers topics including project management, basic engine and motor mechanics, land surveying, irrigation and drainage, agricultural structures, and basic metalworking techniques.

Principles of Plant Sciences and Hydroculture
Principles of Plant Science and Hydroculture focuses on essential knowledge and skills related to the science of plant growth. This course covers principles of plant health, growth, reproduction, and biotechnology, as well as fundamental principles of hydroponics and aquaponics.

STEM (Science, Technology, Engineering and Math) Courses

Industrial Electricity I Grades 9,10
This course will provide basic skills and knowledge related to residential and commercial electrical systems. Course content includes leadership development, safe practices, Ohm's law, installing conduit, conductors, residential and commercial electrical systems, and services according to National Electrical code(NEC) and local codes. This course gives students an introduction to the skill and knowledge base typically required for apprentice electricians.

Industrial Electricity II Grades 10-12
This is a course in which students will learn and practice intermediate skills related to electrical systems, with emphasis on commercial systems. Topics covered include overcurrent protection; sizing conductors; lighting systems; three-phase motors; motor control circuits; sizing raceways, boxes, and fittings; and connecting distribution transformers, including a laboratory experience conducted in a shop environment that supports electrical assembly projects by students. This course gives students a substantial skill and knowledge foundation typically required for apprentice electricians.

Maintenance and Light Repair I (MLR I) Grades 9-10
This course prepares students for entry into Maintenance and Light Repair II. Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, basic engine fundamentals, and basic technician skills. Upon completing all of the MLR courses, students may enter automotive service industry as an ASE Certified MLR Technician.

Maintenance and Light Repair II (MLR II) Grades 10-12
Pre-requisites: MLR I & Algebra I [may be concurrent]
This course prepares students for entry into Maintenance and Light Repair III. Students study automotive general electrical systems, starting and charging systems, batteries, lighting, and electrical accessories. Upon completing all of the MLR courses, students may enter automotive service industry as an ASE Certified MLR Technician.
Maintenance and Light Repair III (MLR III) Grades 10-12 Year Long class
Prerequisite: MLR I & Algebra I [may be concurrent]
This course prepares students for entry into Maintenance and Light Repair III. Students study and service suspension and steering systems and brake systems. Upon completing all of the MLR courses, students may enter automotive service industry as and ASE Certified MLR Technician.

Maintenance and Light Repair IV (MLR IV) Grades 11,12 Year Long class
Prerequisite: Electronic Systems & Algebra I
The Maintenance and Light Repair IV class prepares students for entry into the automotive workforce or into post-secondary training. Students study and service automotive HVAC systems, engine performance systems, automatic and manual transmission/transaxle systems, and practice workplace soft skills. Upon completing all of the MLR courses, students may enter automotive service industry as and ASE Certified MLR Technician.

Fundamentals of Construction: Grades 9,10
This is a foundational course in the Architecture & Construction cluster covering essential knowledge, skills, and concepts required for careers in construction. Upon completion of this course, proficient students will be able to describe various construction fields and outline the steps necessary to advance in specific construction careers. Students will be able to employ tools safely and interpret construction drawings to complete projects demonstrating proper measurement and application of mathematical concepts.

Residential & Commercial Construction I: Grades 10-12
This is the second course in the Residential & Commercial Construction program of study intended to prepare students for careers in construction by developing an understanding of the different phases of a construction project from start to finish. Upon completion of this course, proficient students will be able to demonstrate knowledge and skill in the earlier phases of building construction, including site layout, foundation systems, concrete, framing systems, and electrical systems. Students will be able to perform concrete work; frame walls, ceilings, and floors of a structure; and install proper wiring while safely employing tools and interpreting construction drawings to complete projects. Emphasis is placed on demonstrating proper measurement and application of mathematical concepts.

Residential & Commercial Construction II: Grades 10-12
This is the third course in the Residential & Commercial Construction program of study intended to prepare students for careers in construction by developing an understanding of the different phases of a construction project from start to finish. Upon completion of this course, proficient students will be able to demonstrate knowledge and skill in the later phases of building construction including roofing systems, exterior finishing, stair framing systems, masonry systems, and plumbing systems. Students will be able to perform masonry work; frame roofs; install shingles on roofs; apply exterior finishes; and install proper piping for plumbing systems while safely employing tools and interpreting construction drawings to complete projects. Emphasis is placed on demonstrating proper measurement and application of mathematical concepts.
**Principles of Manufacturing** Grades 9-12
This is a course designed to provide students with exposure to various occupations and pathways in the Advanced Manufacturing career cluster, such as Machining Technology, Electromechanical Technology, Mechatronics, and Welding. In order to gain a holistic view of the advanced manufacturing industry, students will complete all core standards, as well as standards in two focus areas. Throughout the course, they will develop an understanding of the general steps involved in the manufacturing process and master the essential skills to be an effective team member in a manufacturing production setting. Course content covers basic quality principles and processes, blueprints and schematics, and systems. Upon completion of this course, proficient students will advance from this course with a nuanced understanding of how manufacturing combines design and engineering, materials science, process technology, and quality. Upon completion of the Principles of Manufacturing course, students will be prepared to make an informed decision regarding which Advanced Manufacturing program of study to pursue.

**Intro to Electromechanical** Grades 9-10
This is a course that will introduce students to basic skills and knowledge applicable to all construction trades and the basic electromechanical skills necessary in a manufacturing facility. Topics covered include safety, construction drawings, site layout, hand and power tools, shielded metal arc welding (SMAW), fabrication, linear and angular measurements, and application of algebraic and geometric principles to construction problems. Students passing all required tests in this class will receive National Center for Construction Education Research (NCCER) certification.

**Electromechanical I** Grades 10-12
This is a course in which students will learn and practice introductory skills related to operation and maintenance of electrical, instrumentation, and mechanical (electromechanical) systems found in a typical manufacturing facility. Topics covered include: shielded metal arc welding (SMAW), electrical safety and the National Electric Code, conduit, conductor splicing/terminating, protection devices, DC, AC, grinding, reading electrical sketches, Process Instrument Diagrams and elementary drawings, transformers, AC/DC motors, basic temperature/ pressure/ level instruments, basic troubleshooting, and a laboratory experience for students for all topics. This course gives students the basic skills and foundational knowledge needed to enter a post-secondary Electromechanical Associates Degree program and prepares students for an electromechanical career within a manufacturing facility.

**Advanced Electromechanical** Grades 10-12
This is a course in which students will learn and practice intermediate skills related to operation and maintenance of electrical, instrumentation, and mechanical (electromechanical) systems found in a typical manufacturing facility. Topics covered include basic mig (metal inert gas) welding, mechanical transmission, piping and auxiliaries, basic hydraulics, basic digital electronics, advanced troubleshooting, smart instrumentation, basic programmable logic controller operation, intro to gear, centrifugal, positive displacement pumps, and a laboratory experience for students for all topics. This course gives students the intermediate skills and knowledge needed to enter a post-secondary Electromechanical Associates Degree program and prepares students for an electromechanical career within a manufacturing facility. Students will have the opportunity to apply for several intern/apprenticeships in local manufacturing facilities.
Aerospace Engineering
Grades: 9-12 Prerequisite: Introduction to Engineering Design or instructor approval
This course teaches the properties of powered and non-powered flight. Students learn through a variety of methods including, building and tuning balsa wood gliders, launching and calculating the properties of flight for “ignition” type rockets and visiting a working airport. Students also learn about the obstacles and triumphs of manned space flight.

(I) Introduction to Engineering Design
Grades: 9-12 Prerequisite: Introduction to Engineering Design, Algebra I [may be concurrent] This course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed, and communicated using solid modeling computer design software.

(II) Principles of Engineering
Grades: 9-12 Prerequisite: Introduction to Engineering Design or instructor approval
A course that helps students to understand the field of engineering or engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. During this course students build water rockets as well as a robot designed to compete in the VEX robotics competition in Chattanooga, TN. The course also includes concerns about social and political consequences of technological change.

(II) Digital Electronics
Prerequisite: Introduction to Engineering Design or instructor approval
This is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. Students build robots and then compete against their classmates.

CIM Computer Integrated Manufacturing
Prerequisite: Introduction to Engineering Design or instructor approval
Learn concepts of robotics and automated manufacturing by creating 3-D designs with modeling software and producing real working models of their designs. Students design, build and test cardboard boats and take part in a local cardboard boat race.
*Students that commute to Morristown East from Morristown West are provided transportation on a school bus to transport students between schools at no charge. Students are not allowed to utilize their own transportation when commuting between schools.

**Cosmetology I - Principles of Design**  
Grade Levels – 9, 10, 11, 12  
Credits – 1  
This course is designed to introduce you to an exciting career as a professional cosmetologist. You will be introduced to hair and scalp care, hair cutting, hairstyling techniques, nail care and cosmetic applications. These procedures will enhance the beauty and attractiveness of you and your future clients. As you progress through your training, you will gain hands on experience and the added confidence to excel in the beauty industry. Upon completion of this course, you will be prepared for advancement into cosmetology II design principles.

**Cosmetology II – Design Principles Of Cosmetology**  
Prerequisite – Cosmetology I – Principals Of Design  
Grade Levels – 9, 10, 11, 12  
Credits – 1  
This course is designed to advance your knowledge and skills in haircutting, hair styling techniques, nail care and skin care in a salon setting. You will also be introduced to chemical procedures performed in the salon such as permanent waving, chemical relaxing and hair coloring. Upon completion of this course, you will be ready to advance into Cosmetology III Chemistry of Cosmetology.

**Cosmetology III – Chemistry of Cosmetology**  
Prerequisite – Cosmetology I – Principals Of Cosmetology Cosmetology II - Design Principals Of Cosmetology  
Grade Level – 10, 11, 12  
Credits – 1-3  
This is an Advanced Course designed for the aspiring cosmetologist. In this class, you will perform work related services using chemicals. You will apply your knowledge and skill in performing hair coloring, permanent waving and chemical relaxing. You will receive advance training in nail care including the application of artificial nails. Each student will have the opportunity to compete in local, regional and state competitions. Upon completion of this course, you will be ready to advance into a technical or private school to prepare for licensure as a cosmetologist.
Criminal Justice Courses

Principles of Law, Corrections, and Security
Grades: 9-10
Principles of Law, Corrections, and Security is an introductory course designed to prepare students to pursue careers in the fields of law enforcement, legal services, corrections, and security. Upon completion of this course, a proficient student will be able to identify careers in these fields, summarize the laws that govern the application of justice, and draw key connections between the history of the criminal justice system and the modern legal system. In addition, students will model the professional, moral, and ethical standards required of professionals in the fields of law, legal services, corrections, and security.

Criminal Justice I
Grades: 10-12
Criminal Justice I is the first level of study of criminal justice careers. This course prepares students for work-related knowledge and skills for advancement into the second level of criminal justice careers. Course content focuses on areas comprised of planning, managing, and providing judicial, legal, and protective services. This course is an over of the legal justice system and builds a better understanding of the development of laws on state, federal, and international levels. New technology and career opportunities in criminal justice are an integral part of the course content. The student will test for certification in Cardio Pulmonary Resuscitation (CPR).

Criminal Justice II, III
Grades: 10-12
Criminal Justice II, III will offer an in-depth study of criminal justice careers in which current issues will be discussed and debated. Local, state, federal, and international laws will be analyzed. Subject matter will include a comparison of the criminal justice careers in the United States with other countries. Students will have opportunities to participate in mock trials and field trips with criminal justice careers emphasis. Course content will introduce new technology, effects of forensic analysis, and career opportunities. The course content will include information for planning, managing, and providing criminal justices.

Special Services Department & Extended Resource Program

Resource
Grades: 9-12
The Resource Program at West High School offers a variety of courses taught on various grade levels which are designed to meet the special needs of the students.

Extended Resource
Grades: 9-12
This program is designed to meet the special needs of students with extended amounts of learning disabilities which prohibit their educational needs being met in the traditional classroom environment.
West High School is very proud of the Advanced Placement Program. Through college-level AP courses and testing, you have the opportunity to earn credit or advanced standing at most of the nation’s colleges and universities. The AP courses are taught on a college level at the high school. Then the students sit for an AP exam covering the class material. All AP exams are given in May and the cost is approximately $87.00. This seems like a lot of money for a test but in comparison to a college class this is a real deal. There are also payment options available throughout the year.

Why take AP level classes:
Get a head start on college-level work.
Improve your writing skills and sharpen your problem-solving techniques.
Develop the study habits necessary for tackling rigorous course work.
Demonstrate your maturity and readiness for college.
More than 90 percent of four-year U.S. colleges and universities grant credit or placement for qualifying AP Exam grades.

AP Policy
Students and parents need to think about the commitment it takes to be enrolled in AP classes. They are rigorous. The student and parent will have to sign an AP contract committing to the level of work required.

You will not be allowed to drop an AP class. You will need to do some research to see if the AP program is right for you. Talk to your current teachers and any teacher of an AP class you are considering.
Students may not register for more than 2 AP classes per year without permission from the administration.
Dual Enrollment opportunities are available for juniors and seniors with a 3.0 GPA and a Composite ACT score of a 21. The Tennessee Lottery supplies a dual enrollment grant (DEG). The grant is available for up to $500 for the first course, up to $500 for the second course, and up to $200 for the third course. No award for the fourth course. The student is responsible for the remainder of the payment and the book and must maintain a 3.0 college GPA to be eligible for the grant next semester.

0.5 high school credit is given for a 3 hour college class and 1 high school credit is given for 6 hours of college credit.

The following policy is in place for high school students that choose to take dual enrollment classes at any local college:
College grades are reported as letters; the following conversion scale will apply, unless a specified number grade is given by the college:

<table>
<thead>
<tr>
<th>College Grade</th>
<th>High School Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>99</td>
</tr>
<tr>
<td>B</td>
<td>92</td>
</tr>
<tr>
<td>C</td>
<td>84</td>
</tr>
<tr>
<td>D</td>
<td>74</td>
</tr>
<tr>
<td>F</td>
<td>69</td>
</tr>
</tbody>
</table>

It is the student’s responsibility to turn in a final transcript to the counseling office to receive high school credit. All college classes must be taken during 1st and/or 4th blocks. No student will be allowed to come to West HS campus, leave and then return. NO attendance points will be added to dual enrollment classes.

We allow students to take any course that is offered by WSCC, Carson Newman University, Tusculum College, University of Tennessee, or any college.

Common Dual Enrollment Courses students have taken from WSCC are Composition I and II, American Literature I and II, Western World Literature I and II, American History I and II, Probability and Statistics, Finite mathematics, Pre-Calculus Algebra, Pre-Calculus Trigonometry, Calculus A, Calculus I and II.