

BEARDEN HIGH SCHOOL PROGRAM OF STUDIES

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Knoxville, TN 37919
(865) 539-7800

Bearden High School



Website: <http://www.knoxschools.org/beardenhs>
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BEARDEN SENIOR HIGH SCHOOL



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Dear Parents and Students:

Welcome to Bearden High School. We are honored to have you as part of our school family and community. Due to our students' and staff's accomplishments, Bearden has earned recognition on the state and national level as a Silver Award recipient for best high schools from *U.S. News and World Report*. Last year alone, our seniors earned over 28 million dollars in scholarships to 65 different colleges and universities around the country. We are also proud to say that several of last year's Bearden High School graduates can be found serving in all four branches of the U.S. military.

Our students' success is dependent on the combined efforts of our staff, students, and parents. Since our expectations are high, student attendance and participation are a must. Every day, our students must come prepared and ready to learn. Our school day is organized using the Block/Semester Schedule, and every teaching moment is important. In order to meet the needs of all students, we offer a diverse and challenging academic curriculum which is delivered by a devoted and professional staff. Parental support of our students, staff, and school is imperative for the success of our institution.

We encourage you to read this handbook and become familiar with school and county policies. Our goal is to develop a working relationship with you that will increase your potential as well as help you to develop the social, emotional, and educational skills necessary to become not only a productive member of society, but leader as well. We welcome you to Bearden High School and look forward to helping you achieve your goals.

Sincerely,

BHS Administration



KNOX COUNTY HIGH SCHOOLS

VISION

At the Knox County Schools, we strive to provide those educational experiences that develop the skills, knowledge and attitudes students will need to be successful members of both our local and the larger global communities. We recognize that the world is a changing and dynamic place, and our approach to providing education must constantly be reviewed and adapted to ensure we are providing our students the skills they will require to meet the challenges of tomorrow. That will help us achieve our ambitious goal of **Excellence for Every Child**.

Bearden High School Mission Statement and Beliefs

Mission Statement

Bearden High School exists to help all students become responsible, self-directed, lifelong learners capable of functioning effectively in a global society.

Vision

How do we at Bearden High School intend to achieve the tenets of the above mission? It's simple: We meet the mission of Bearden High School by setting high expectations, by engaging students in meaningful lessons, and by integrating the latest innovations into the classroom.

Bearden High School wants every student who walks through the doors to achieve his or her personal best here and beyond.

PROGRAM OF STUDIES

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FREQUENTLY ASKED QUESTIONS

1. How does Knox County Schools report rankings?

<http://knoxschools.org/cms/lib7/TN01917079/Centricity/Domain/1019/FINAL%2017%20HSPP.pdf>

2. What do I need to enroll my new student?

See page 3 of this document or click the link.

<http://knoxschools.org/cms/lib7/TN01917079/Centricity/domain/974/policies2016/J-150%20School%20Admissions.pdf>

3. How do my AP classes transfer to college?

See page 11-12 of this document or click this link.

<http://admissions.utk.edu/apply/college-admission-requirements/>

4. What if I want to graduate early?

See "December Grad Form" found at the link below.

<http://www.knoxschools.org/domain/4765>

5. How do I get a college recommendation letter?

Fill out the "Brag Sheet" found at the link below, and visit your assigned counselor.

<http://www.knoxschools.org/Page/7491>

6. How do I send my transcript?

See transcript request information at the link below.

<http://www.knoxschools.org/domain/4373>

7. How do I go on an excused college visit?

See college visit procedures at the link below.

<http://www.knoxschools.org/Page/10576>

8. How do I enroll in Dual Enrollment classes?

See Dual Enrollment Application and Dual Enrollment FAQ at the link below.

<http://www.knoxschools.org/domain/4765>

SCHOOL COUNSELING OFFICE

The Bearden High School Counseling Office works with the school staff and various agencies to assist students in recognizing and solving educational, career, and personal problems. Counselors will meet in individual conferences or large groups with students to review and discuss courses of study, post-secondary plans, scholarship information, and other areas of concern. Parents are encouraged to communicate with the counselor whenever they have questions or concerns about any phase of their child's program. Services that may be offered by the School Counseling Office include:

- I. **Personal and Academic Counseling**
 - Individual Conferences
 - Academic Placement
 - Referrals to Outside Agencies
 - Homebound Services
 - Summer School Information
 - Recovery Credit, E-Learning Information, Dual Enrollment
 - List of Private Tutors
 - S-Team and M-Team Staffing
 - Class Visits
 - Contacts with Community Agencies and Private Practitioners
- II. **Orientation and Registration Assistance**
 - Graduation Requirements and School Policies
 - Registration
 - Schedule Changes
 - Post-secondary Entrance Requirements
- III. **College Counseling**
 - College Applications
 - Technical School Information
 - Scholarship Information & Applications
 - Lottery Scholarship Information & Updates
 - Summer Honors Programs Information
 - College Representative Visits
 - College Workshop Series
- IV. **Testing Programs**
 - Tennessee End-of-course Exams
 - PSAT/NMSQT
 - SAT/ACT Registration Materials
 - Advanced Placement Exams
- V. **Records Maintenance**
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 - Report Cards
 - Pupil Progress Reports
 - Immunization Records
 - Withdrawal Requests
 - Transcript Requests
 - Parent Portal

BLOCK SCHEDULE/CONCENTRATED CURRICULUM/SEMESTER SCHEDULE

The academic year at Bearden High School is organized into two 90 day terms: fall term and spring term. The school day is built around four 90-minute instructional periods and one 45-minute period per term. In most cases, a student completes four courses and earns one unit of credit per course at the end of the fall term. The student then enrolls in four different courses (for one unit of credit each) for the spring term. Most students have the opportunity to earn eight units of credit during one academic year upon successful completion of all course requirements.

RANK IN CLASS

Please see link below for class ranking policy.

<http://knoxschools.org/cms/lib7/TN01917079/Centricity/Domain/1019/FINAL%2017%20HSPP.pdf>

TRANSFER STUDENTS

Students enrolling in Bearden High School must present:

1. HEALTH RECORDS: Tennessee School Immunization Certificate
2. PROOF OF RESIDENCE--You must present proof of your actual residence in Bearden's zone by presenting one of the following:
 - a. Utility Bill
 - b. Rental or Lease Contract or Sales Contract
 - c. Transfer Approval Letter from Knox County Schools, Brian Hartsell's office (594-1502)
3. GUARDIANSHIP--No proof of legal custody is needed if child lives with both natural parents. However, most other arrangements as listed below will need documentation:
 - a. if child lives with divorced parent who was originally assigned custody, please provide signed court documentation.
 - b. if child lives with court appointed guardian(s), please provide signed court documentation. (Juvenile Court, 215-6400)
 - c. if child lives with recently changed custodial parent or joint custodial parents, please provide signed or official letter of approval from Mr. Hartsell's office (594-1502).
 - d. if child lives with someone other than legal guardian, please provide signed or official letter of approval from Mr. Hartsell's office (594-1502).
4. STUDENT'S SOCIAL SECURITY CARD AND OFFICIAL BIRTH CERTIFICATE

For proper course level placement, please provide:

- a. standardized test scores (i.e. EXPLORE, TCAP, PLAN, ACT or other state/national examination)
- b. most recent transcript
- c. withdrawal sheet from previous school if enrolling **during** school year
- d. if enrolling mid-semester, current class schedule
- e. if currently receiving special services, bring latest IEP, 504 Plan, psychological, and M -team reports

Policy is subject to change. See link below for current Knox County Schools policy.

http://knoxschools.org/cms/lib7/TN01917079/Centricity/domain/974/policies2016/J_150%20School%20Admissions.pdf

GRADUATION REQUIREMENTS

Regular Diploma- Awarded to students who have earned the prescribed 28 credits and have a satisfactory record of attendance and discipline.

Core Subjects	Number of Credits
English	4 (English I, II, III, IV)
Mathematics	4 (Algebra I, Geometry, Algebra II, one higher level math)
Science	3 (Biology, Chemistry or Physics, one additional lab science)
World History & Geography	1
US History & Geography	1
US Government & Civics	1/2 credit
Economics	1/2 credit
Physical Education	1.5 (Lifetime Wellness and one additional PE ½ credit)*
Personal Finance	1/2 credit
Elective Focus	3 credits**
University Admissions	Students must complete two units of the same world language and one unit of fine/performing arts in order to meet college/university admission requirements
Total	28****

*The additional ½ credit in Physical Education may be met by completing a Physical Education course (in addition to Lifetime Wellness) or by substituting 65 hours or more of documented physical activity outside the school day in other SCHOOL SPONSORED activities such as marching band, NJROTC, cheerleading, dance, interscholastic athletics and other areas pre-approved by the local board of education.

**The elective focus may be CTE and Business Education (3 courses in the same focus of study area), Math and Science, Humanities, Fine Arts, NJROTC, Advanced Placement, Dual Enrollment, Human Services, Physical Fitness or Community Education Cluster. Courses taken as part of the core subject requirement may not be used to fulfill the elective focus requirement.

***Students not planning to attend a college or university may waive the two units of world language and/or one unit of fine/performing arts to expand and enhance their elective focus.

****Total credits required for graduation is 4 credits less than the potential number available in the master schedule of the student's school (or schools) during the four school years following the student's entry into ninth grade.

Special Education Diploma – To be awarded at the end of their fourth year of high school to students with disabilities who have (1) not met the requirements for a high school diploma, (2) have satisfactorily completed an individualized education program, and (3) have satisfactory records of attendance and conduct. Students who obtain the special education diploma may continue to work towards the high school diploma through the end of the school year in which they turn twenty-two years old.

Honors Diploma – Students who score at or above all of the subject area readiness benchmarks on the ACT or equivalent score on the SAT will graduate with honors. The ACT benchmarks are: ACT English – 18, ACT Math – 22, ACT Reading – 22, ACT Science Reasoning – 23

Graduating With Distinction – Students will be recognized as graduating with “distinction” by attaining a B (3.0) average and completing at least one of the following:

- Earn a nationally recognized industry certification
- Participate in at least one of the Governor's Schools
- Participate in one of the state's All State musical organizations
- Be selected as a National Merit Finalist or Semi-Finalist
- Attain a score of 31 or higher composite score on the ACT
- Attain a score of 3 or higher on at least two advanced placement exams
- Earn 12 or more semester hours or transcribed postsecondary credits

Occupational Diploma Awarded to students who:

- Meet the criteria for Diploma of Specialized Education
- Successfully complete the SKEMA (Skills, Knowledge, and Experience Mastery Assessment) through two years of approved work experience

Student Planning Guide

<u>Core Courses</u>	<u>Credit Earned</u>	<u>Enrolled</u>
English I	_____	_____
English II	_____	_____
English III	_____	_____
English IV	_____	_____
Algebra I	_____	_____
Geometry	_____	_____
Algebra II	_____	_____
4 th /Higher Math	_____	_____
Biology	_____	_____
Chemistry or Physics	_____	_____
Additional Lab Science	_____	_____
World History & Geography	_____	_____
US History & Geography	_____	_____
US Government & Civics	_____	_____
Economics	_____	_____
Lifetime Wellness	_____	_____
Additional Phys. Educ. or documented physical activity (1/2 credit)	_____	_____
Personal Finance (1/2 credit)	_____	_____

Elective Focus (Select one focus area- 3 credits)

* Career & Technical Educ. And Business Education	_____	_____
*Math and Science	_____	_____
*Humanities	_____	_____
*Fine Arts	_____	_____
*Advanced Placement	_____	_____
*Dual Enrollment Courses	_____	_____
*NJROTC	_____	_____
*Physical Fitness	_____	_____
*Human Services	_____	_____
*Community Education Cluster	_____	_____

University Admissions Requirements (for students intending to enroll in a college or university after high school graduation. Students not intending to enroll in a college or university are not required to take these classes but must then expand their elective focus.)

World Language 1	_____	_____
World Language 2	_____	_____
Fine/Performing Art	_____	_____

<u>Unspecified Elective Credits</u> (approximately 6-9 credits)	_____	_____
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CREDITS REQUIRED FOR GRADUATION = 28

GRADING POLICIES

Bearden High School evaluates student academic progress using interim reports and term grades. Interim reports are distributed at 4 ½ weeks, 9 weeks, 13 ½ weeks, and 18 weeks and are cumulative for each term. The term grade is final and is recorded on the permanent record. It represents a combination of scores from all class assignments for the entire 18 weeks and is not an average of interim grades. Additionally, a Knox County or Bearden High School End-of-Course exam is required in all classes and will constitute at least 25 percent of the final average. AP and Honors classes earn extra quality points as listed below:

GRADING SCALE:

LETTER GRADE	IN-CLASS SCALE ALL CLASSES	QUALITY POINTS		
		CP (College Prep)	HONORS and APPROVED NON-CORE DE	ADVANCED PLACEMENT and APPROVED "CORE" DE
A	93 -100%	4	4.5	5
B	85- 92%	3	3.5	4
C	75- 84%	2	2.5	3
D	70- 74%	1	1.5	2
F	0- 69%	0	0	0

The Advanced Placement (AP) label is limited to courses adhering to criteria established by the College Entrance Examination Board for which national AP examinations are available.

ATHLETIC ELIGIBILITY

NCAA: For more information about NCAA initial-eligibility standards, please contact the NCAA's Web site at www.ncaa.org.

PROGRAM PLANNING AND REGISTRATION PROCESS

Selecting a high school curriculum is of utmost importance in the setting of educational and career goals. At Bearden High School, a diverse selection of courses is offered to meet the educational and career needs of students. The student and his/her parents or guardians must carefully select the appropriate courses to help him/her attain his/her goals. The classroom teachers, school counselors, and administrators are available to give assistance.

Academic planning and student registration follow the procedures listed below:

1. Early in the spring, counselors will talk with students in small groups about the curricular offerings. Students are encouraged to review the offerings and organize them into a four-year educational plan.
2. Course selection sheets and curriculum guides are given to students for marking course selections for the following year. Students will register for their classes online.
3. Students will be recommended for their core courses by their previous teachers.
4. To assure the most appropriate academic level placements for students, a careful analysis is made based on standardized test scores, grades, TVAAS data, and teacher recommendations. Students will be enrolled in the appropriate academic level resulting from this professionally based procedure. Any deviation from these recommendations requires an appeal to the grade level principal. Students and their parents should carefully select elective courses and mark their selection as well as the assigned academic core courses on the course selection sheet.
5. Every effort is made to schedule each student for his/her primary course selections. However, schedule conflicts may sometimes force alternative choices, **THEREFORE; CHOOSE CAREFULLY**. All students must carry a full academic load of four credit classes per term.
6. Students are scheduled in descending order of priority. For example, course openings are offered first to seniors, second to juniors, third to sophomores, and last to freshmen. This is done to ensure enrollment in courses necessary for those students nearest their graduation dates.
7. **Please be aware of the schedule change policy when you make your course selections. A student's schedule may be changed only under the following conditions:**
 - a. **A student is scheduled incorrectly as a result of inadequate or erroneous information.**
 - b. **Administrative action becomes necessary as a result of imbalance of class loads or decreased staff.**
 - c. **The student needs an additional course to meet graduation requirements.**
 - d. **A schedule adjustment is required because of courses taken in summer school.**
 - e. **Teacher recommendation/S-Team.**
8. Bearden High School's first priority for class schedules is for students taking a course for the first time. Students needing to repeat a course will be scheduled only if space is available. Therefore, it is strongly recommended that in order for a student who has failed a course to stay on track, he/she should attend summer school.
9. Doubling (taking 2 classes of the same subject area in the same year) must be approved by the department and the principal. Permission to double will be based on previous grades in the program, the purpose or doubling, and space available. The expectation for most students is that they will progress at the normal rate of one course per year. **Doubling will only be approved on a very limited basis.**

TESTING PROGRAM AND SERVICES

Bearden High School, Knox County, and the State of Tennessee provide a variety of testing programs.

Tennessee state-developed end of course exams in English I, II, and III; Algebra I and II, U.S. History; Biology, and Chemistry.

An ACT test administration will be available to all juniors during the spring term.

ACT is available for a fee at other times during the year.

The following tests are available to students for a fee:

Preliminary Scholastic Aptitude Test (PSAT) for freshmen, sophomores and juniors (usually on the second Wednesday in October). This test is the National Merit qualifying test for juniors.

Scholastic Aptitude Test (SAT), ACT with Writing, and SAT II subject tests are college admission tests. Registration materials for these tests are available in the School Counseling Office. Counselors recommend that these tests be taken by April or June of the 11th grade. They may also be taken in grade 12.

Advanced Placement Tests are offered in May at the time of national testing dates.

More detailed information and testing dates are provided in the newsletters, classroom guidance, and in-class counseling by the counselors, or this information may be obtained from the School Counseling Office.

ADDITIONAL PROGRAMS OFFERED AT BEARDEN HIGH SCHOOL

Additional Dual Enrollment opportunities:

Dual Enrollment offerings will begin extensive expansion in the 2017-2018 school year through both the courses offered and the venues in which they are offered. Students will have the opportunity to earn multiple credit hours. Students who plan to take Dual Enrollment courses must attend an orientation in addition to meeting the requirements of enrollment

AP Capstone Diploma

The AP Capstone program is an innovative diploma program from the College Board that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone is built on the foundation of two AP courses — **AP Seminar** and **AP Research** — and is designed to complement and enhance the in-depth, discipline-specific study experienced in other AP courses. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate.

Byington Solway

Students who are interested in taking technical courses while still in high school have the opportunity to take classes at Byington Solway. Please click here for the most updated information.

<http://www.knoxschools.org/Page/13839>

FOUR-YEAR CALENDAR FOR THE COLLEGE-BOUND STUDENT

The following information will be helpful for the college-bound student. Careful planning of school schedules and knowledge of the college testing program offered here in a yearly sequence will greatly aid the Bearden High School student who is preparing for college entrance. For further information on any of the material briefly presented here, consult the School Counseling Office.

8TH GRADE YEAR

- February Talk with middle school counselors, high school counselors, and parents to decide the focused area of study for high school.
- March Choose the focused area and select courses appropriately.
Create a 4-year plan for courses to be taken 9th, 10th, 11th, and 12th grade.

FRESHMAN YEAR

- September Students should remember that a good high school record is the single most important item in a college application. Begin collecting information for your high school resume. Get involved in school clubs and activities.
- March Revisit 4-year plan for courses to be taken in 10th, 11th, and 12th grades.
- Summer Find opportunities to do community service and/or career shadowing/volunteering.

SOPHOMORE YEAR

- October It is suggested that students take the PSAT for practice.
- Spring Revisit 4 year plan for courses to be taken 11th and 12th grade and plan schedule for 11th grade.
- Summer Begin college search. Visit campuses of schools which interest you.

JUNIOR YEAR

- Fall Plan to talk with college representatives who visit during the school day. Attend area College Nights.
- October Take the PSAT.
- December to February **Start your College Search**
 - Make lists of your abilities, preferences, and personal qualities. List things you may want to study and do in college. Note entrance requirements, application deadlines, cost, curriculum, co-op programs, etc.
 - Jump start your college planning by reading about majors and careers.
 - Use College Search websites to find colleges with the right characteristics.
- March Revisit 4-year plan and plan senior year schedule. Register to take the April or June ACT and/or March, May, or June SAT or SAT II, if appropriate. All Juniors will take the ACT exam.
- Spring Investigate scholarship opportunities. Several reputable web sites offer free scholarship searches. See the school counseling office for more information. Turn in request forms for letter of recommendation to college counselor.
- Summer Visit campuses of schools which interest you.

SENIOR YEAR

- Fall Attend College Workshop Series. Talk with representatives from schools which interest you. Take ACT, ACT with Writing, SAT, and SAT subject tests, if appropriate. Submit the high school portion of your college applications to the School Counseling Office three weeks prior to their deadline. Visit campuses of colleges in which you are interested.
- Create an account on Parchment to order your transcript to be sent to colleges you plan to apply to.
- October FAFSA (Free Application for Federal Student Aid)* information is available online. A financial aid workshop is offered for parents and students. Many colleges have a deadline for FAFSA completion. Apply on line at www.FAFSA.ed.gov as soon after January 1st as possible.
- November Complete TN Promise Application <http://www.tnpromise.gov>
- December Any college or scholarship application needing school input that has a January deadline is due in the School Counseling Office by December 1st. **BE SURE TO MEET ALL DEADLINES.**
- If enrolled in an AP Class first term, register and pay fee to counselor if you plan to take AP exam.
- Continue to meet with college representatives when they visit Bearden High School and investigate scholarship opportunities.
- March Register with the school counselor to take AP exams in May if student has taken advanced placement courses and plans to receive college credit. Check to determine if the chosen colleges/universities give AP examination credit.
- Spring Continue to investigate scholarship opportunities.
- April Acceptances or rejections come in. Along with acceptances will come instructions for reply deadlines, deposits, and freshman registration. When a student notifies a college of acceptance, then he/she should write all other institutions withdrawing his/her application.
- Mid-April Report any scholarship offers you have received on the senior exit form.
- May 1 College decisions should be made by this date. **Complete Senior Exit Form** to order final transcript on parchment to be sent to college you have chosen to attend.
- May AP Exams are given. Graduation.

*FAFSA is also the application for the Hope Scholarship - (TN Lottery Scholarship)

AP POLICY FOR THE UNIVERSITY OF TENNESSEE, KNOXVILLE*

Subject	AP Score	Credit Given
American History	4 or 5	History 221-222
Art Drawing	4 or 5	Art 101
Art 2-D Design	4 or 5	Art 101
Art 3-D Design	N/A	No Credit Awarded
Art History	N/A	No Credit Awarded
Biology	3,4 or 5	Biology 101-102
Calculus AB	3	Math 125
Calculus AB	4	Math 141
Calculus AB	5	Math 147
Calculus BC	3	Math 141
Calculus BC	4	Math 141-142
Calculus BC	5	Math 147-148
Chemistry	4 or 5	Chemistry 120-130
Computer Science A	5	Computer Science 102
Computer Science AB	4	Computer Science 102
Economics - Micro & Mac.	3, 4 or 5	Economics 201
English Language & Composition	4 or 5	English 101
English Literature & Composition	4 or 5	English 101-102
Environmental Science	3	Geology 201
Environmental Science	4 or above	Geology 201-202
European History	4 or 5	History 241-242
French Language	3	French 211-212
French Language	4	French 333-334 or 353
French Language	5	French 333-334 or 353 (Use 333-334 as default)
French Literature	3	French 211-212
French Literature	4	French 353
French Literature	5	French 353
German Language	4 or 5	German 201-202 or German 311-312
German Language	3	German 201-202

Human Geography	4 or 5	Geography 101
Italian	N/A	No Credit Awarded
Latin Literature - Catullus/Cicero, Catullus/Horace, Catullus/Ovid, or Virgil	3, 4 or 5	Latin 251-252
Music	4 or 5	Music Theory 110
Physics B	4 or 5	Physics 101-102 or Physics 161 or 221
Physics C - E & M	5	Physics 136
Physics C - E & M	4	Physics 102 or 222 or 231
Physics C - Mechanics	5	Physics 135
Physics C - Mechanics	4	Physics 101 or 161 or 221
Political Science - Comparative Exam	3,4 or 5	Political Science 102
Political Science - US Exam	3,4 or 5	Political Science 101
Psychology	3,4 or 5	Psychology 110
Spanish Language or Literature	3	Spanish 211-212
Spanish Language or Literature	4	Spanish 212 and 300
Spanish Language or Literature	5	Spanish 300 and 305
Statistics	4 or 5	Statistics 201
Studio Art - General or Drawing Portfolio	4 or 5	Art Studio 101
World History	4 or 5	History 261-262

***Check with UTK for possible changes in this policy.**

****Check with other universities for their specific policy.**

PUBLIC NOTICE

The Knox County School System affirms that it will comply with Title IX of the Educational Amendment of 1972, Section 504 of the Rehabilitation Act of 1973, Americans with Disabilities Act of 1990, Title II of the Genetic Information Nondiscrimination Act of 2008, Title VI and Title VII of the Civil Rights Act of 1964, and Age Discrimination Act in Employment Act of 1967.

No person shall, on the ground of race, color, national origin, sex, genetics, religion, age, disability or veteran status, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance or be subjected to discrimination in employment opportunities or benefits. Anyone who believes that Knox County School System has discriminated against them or another individual may file a complaint. Knox County Schools has designated the following people to handle such grievances to comply with the law. Student complaints of discrimination on the basis of disability under the IDEA should be directed to Melissa Massie, Director of Special Education, Room 909 of the Andrew Johnson Building, telephone number (865) 594-1540. All other complaints of discrimination on the basis of disability, sex, race, color, religion, national origin, age, genetics or veteran status should be directed to Rebecca Owens, Title VI, Title IX and ADA and OCR Coordinator, Room 321 of the Andrew Johnson Building, telephone (865) 594-1686.

and/or

Director, Office for Civil Rights
Tennessee Department of Education
6th Floor, Andrew Johnson Tower
710 James Robertson Parkway
Nashville, Tennessee 37243 Office:
(615) 253-1550
Fax: (615) 532-2599

Title VI Coordinator
Tennessee Department of Education

and/or

The Office for Civil Rights
U.S. Department of Education
P.O. Box 2048, 04-3010
Atlanta, Georgia 30301-2048

FAQs for Dual Enrollment at Bearden High School

What is Dual Enrollment at Bearden High School?

- Dual Enrollment (DE) takes place when a high school student is enrolled in high school and college simultaneously. In other words, the student is approved for getting high school and college credit for the same class.
- Only **juniors** and **seniors** can apply to take DE courses. Dual Enrollment provides a means for high school students to accelerate their college education and get a feel for what learning will be like in college.
- Most BHS DE students take classes through Pellissippi State. With the help of the Dual Enrollment Grant, this process can save students time and money. DE courses taken off campus are normally scheduled during 1st or 4th block and must be pre-approved by your school counselor.
- Students are responsible for checking the college's website for their DE application requirements which are different for each college/institution. Students will also be responsible for providing their own transportation to the college/institution.

What is the Dual Enrollment Grant?

- The TN Dual Enrollment Grant program is a grant for the study that is funded from net proceeds of the state lottery and awarded to students who are attending high school and are also enrolled in another college/institution.
- For rising **juniors and seniors**, the grant will pay \$500 for your 1st and 2nd DE class. The amount will drop to \$200 for the 3rd and will not cover a 4th class. To remain eligible for the grant, students **must maintain at least a 2.75 average in their DE courses.**

What are the Dual Enrollment Qualifications?

- 1) Only rising juniors and seniors can take Dual Enrollment courses.
- 2) To qualify for General Education courses such as English 1010 and Psychology, students must have:
 - 3.0 or higher un-weighted GPA (no exceptions) AND one of the following:
 - ACT Reading score - 19 or higher/ ACT English score - 18 or higher
 - PSAT/SAT of 500 on Evidenced-Based Reading/Writing

What DE courses can BHS students take on the BHS campus?

English 1010 – Can count for English IV for HS & Freshman College English 1010 (limited seating)

English 1020 – Can count for Freshman College English 1020 (limited seating) English 1010 is a prerequisite

Psychology 1030 – Can count for a Humanities elective credit and College Psychology

What DE courses can BHS students take off BHS or online campus?

All DE courses taken off the BHS campus must be pre-approved by your school counselor.

Please consult the Pellissippi State website for a comprehensive list of dual enrollment classes.

Important Information:

- Dual Enrollment courses **NOT** offered at Bearden High School **MUST** receive prior approval from the Guidance Office.
- Beginning with class of 2015, pre-approved "Core" Dual Enrollment courses will receive AP weight. A "Core" dual enrollment course is defined as one that is the curriculum equivalent to, or one that exceeds an Advanced Placement course (as defined by The College Board) or is a college level course that would be listed in the High School Curriculum Guide. Dual Enrollment Psychology **DOES** receive AP weight.
- All eligibility requirements and pre-approvals for dual enrollment **MUST** be met or students will be dropped from taking the dual enrollment course.
- Bearden does not have access to a student's DE grades throughout the semester. The student is considered a college student and therefore, their educational information is confidential and cannot be shared with parents unless the student signs the post-secondary institution's form permitting this information be released.
- Dual Enrollment offerings will begin extensive expansion in the 2017-2018 school year through both the courses offered and the venues in which they are offered. Students will have the opportunity to earn multiple credit hours. Students who plan to take Dual Enrollment courses must attend an orientation in addition to meeting the requirements of enrollment.
- For the most updated information regarding information, please visit the School Counseling website.

For more information about Dual Enrollment, please visit the Pellissippi State website at <http://www.pstcc.edu/dual>

FINE ARTS

ART

COURSE TITLE: ART I - INTRODUCTION TO ART

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9, 10, 11, 12

Introduction to Art is a survey course designed to answer the question "What is art?" Students discover the answers to this question through exploration of masterpieces in art history as well as through production of their own work. Studio experiences include drawing, painting, printmaking, and sculpture. The purpose of this course is to broaden each student's knowledge and appreciation of art, to strengthen technical and compositional skills, to develop critical analysis skills, and to prepare them for higher level art courses. Course includes unit tests and a final end of course exam.

COURSE TITLE: HONORS VISUAL ART (HONORS ART PHOTO)

CREDIT: 1

PREREQUISITE: ART I, ADVANCED ART CLASS &
TEACHER RECOMMENDATION

GRADES: 11, 12

A rigorous advanced art class that enables highly motivated students to complete studio art in various media. This class is necessary to help prepare for the Advanced Placement Studio breadth component.

ADVANCED ART COURSES

All advanced art courses may be taken repeatedly for credit. Advanced art courses are studio classes designed for serious students who have completed one term of Art I and who, in the judgment of the instructor, show sufficient level of interest and/or ability that would warrant continued study in Visual Arts. The student will concentrate on media specific studio experiences (refer to the list below). A strong emphasis will be placed on the development of the student's technical and conceptual skills in addition to continued study of aesthetics, critical analysis, and art history.

Note: All Advanced Art courses will not be offered every semester.

GENERAL DESCRIPTION OF ADVANCED PLACEMENT ART PORTFOLIOS:

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year.

COURSE TITLE: ADVANCED ART

CREDIT: 1

PREREQUISITE: ART I AND TEACHER RECOMMENDATION

GRADES: 11, 12

For students who have successfully completed Art I and, who, in the judgment of the instructor, show a sufficient level of interest and/or ability that would warrant continued study in Visual Art. Based on 81 approved curriculum guides, the program of study may be divided into the following topics or areas of concentration: Art History, Sculpture, Painting, Ceramics, Drawing, Printmaking, Paper, or Photo. This assures that students who continue beyond the first year will grow in their artistic development. Students may continue in Advanced Art on a space-available basis and may repeat Advanced Art up to seven times at the determination of the instructor. (Prerequisite: Art I and teacher recommendation)

COURSE TITLE: AP STUDIO ART- DRAWING

CREDIT: 1

PREREQUISITE: ART I AND TEACHER RECOMMENDATION

GRADES: 11, 12

The Advanced Placement Drawing Portfolio is designed to include a very broad interpretation of drawing issues. Many types of painting, printmaking, studies for sculpture, and some forms of design, as well as abstract and observational works, could qualify as addressing drawing issues. The range of marks used to make drawings, the arrangement of those marks, and the materials used to make the marks are endless. Works of photography, videotapes and computer- GENERATED WORKS MAY NOT BE SUBMITTED FOR THE DRAWING PORTFOLIO.

COURSE TITLE: AP STUDIO ART- 2D DESIGN (PHOTO)

CREDIT: 1

PREREQUISITE: ART I AND TEACHER RECOMMENDATION

GRADES: 11, 12

This portfolio is intended to address a very broad interpretation of two-dimensional (2D) design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. For this portfolio, students are asked to demonstrate proficiency in 2D design using a variety of art forms. These could include, but are not limited to, graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, printmaking, etc. A variety of approaches to representation, abstraction, and expression may be part of the student's portfolio.

COURSE TITLE: AP STUDIO ART- 3D DESIGN

CREDIT: 1

PREREQUISITE: ART I AND TEACHER RECOMMENDATION

GRADES: 11, 12

This portfolio is intended to address a broad interpretation of sculptural issues in depth and space. These may include mass, volume, form, plane, light, and texture. Such elements and concepts may be articulated through additive, subtractive, and/ or fabrication processes. A variety of approaches to representation, abstraction, and expression may be part of the student's portfolio. These might include traditional sculpture, architectural models, apparel, ceramics, three-dimensional fiber arts or metal work, among others.

COURSE TITLE: ADVANCED ART PHOTOGRAPHY

CREDIT: 1

PREREQUISITE: ART I, ADV. ART, TEACHER RECOMMENDATION
35 mm SLR CAMERA

GRADES: 11, 12

Photography is a lab course which explores 35 mm SLR and digital photography. Students use black and white film and paper. Students learn basic camera operations, darkroom processing, and the basics of manual photography. Students need to have a 35 mm SLR camera. Students shall purchase their own film and paper. The course may be repeated to explore advanced B/W and digital techniques, with a 35 mm digital camera.

COURSE TITLE: AP ART HISTORY

CREDIT: 1

PREREQUISITE: ART I AND TEACHER RECOMMENDATION

GRADES: 11, 12

The Advanced Placement offering in Art History is designed to provide the same benefits to secondary school students as those provided by an introductory college course in art history: an understanding and enjoyment of architecture, sculpture, painting and other art forms within historical and cultural contexts. In the course, students examine major forms of artistic expression from the past and the present from a variety of cultures. They will learn to look at works of art critically, intelligence and sensitivity, and to analyze what they see.

MUSIC

COURSE TITLE: VOCAL MUSIC I

CREDIT: 1

PEREQUISITE: NONE

GRADES: 9-10

For beginning choral students who wish to study and perform a wide variety of sacred and secular choral literature of easy to medium difficulty in a variety of styles. Emphasis is placed on vocal production and basic choral techniques, intonation, phrasing, sight reading and ear training, general musicianship skills, understanding and attitudes, and the responsibility of individuals to the group. There are no prerequisites, although some basic minimum requirements may be recommended by the teacher. Performances and after-school rehearsals are required. Can be taken for multiple credits.

COURSE TITLE: VOCAL MUSIC FALL (BHS SINGERS)

CREDIT: 1

PEREQUISITE: NONE

GRADES: 11-12

For beginning choral students who wish to study and perform a wide variety of sacred and secular choral literature of easy to medium difficulty in a variety of styles. Emphasis is placed on vocal production and basic choral techniques, intonation, phrasing, sight reading and ear training, general musicianship skills, understanding and attitudes, and the responsibility of individuals to the group. There are no prerequisites, although some basic minimum requirements may be recommended by the teacher. Performances and after-school rehearsals are required. Can be taken for multiple credits.

COURSE TITLE: VOCAL MUSIC SPRING (BHS SINGERS) CREDIT: 1

PEREQUISITE: NONE GRADES: 11-12

For beginning choral students who wish to study and perform a wide variety of sacred and secular choral literature of easy to medium difficulty in a variety of styles. Emphasis is placed on vocal production and basic choral techniques, intonation, phrasing, sight reading and ear training, general musicianship skills, understanding and attitudes, and the responsibility of individuals to the group. There are no prerequisites, although some basic minimum requirements may be recommended by the teacher. Performances and after-school rehearsals are required. Can be taken for multiple credits.

COURSE TITLE: FEMALE CHORUS CREDIT: 1

PEREQUISITE: NONE GRADES: 11-12

Men's Chorus and Women's Chorus are designed for *beginning* choral students who wish to study and perform a wide variety of sacred and secular choral literature of easy to medium difficulty in a variety of styles. Emphasis will be placed on vocal technique, intonation, music reading, and ear training, as well as understanding the importance of attitude and individual responsibility within the group. Previous choral music experience is not a prerequisite. After-school performances are required.

COURSE TITLE: CHORAL ENSEMBLE FEMALE CREDIT: 1

PREREQUISITE: AUDITION GRADES: 10 - 12
PREVIOUS CHORAL EXPERIENCE

Choral ensemble consists of advanced choral musicians selected by audition. The group may function in a variety of formats throughout the year such as chamber choir, madrigal singers, jazz/pop ensemble, and show choir. Emphasis is placed on an advanced degree of musicianship, increased harmonic and rhythmic reading skill, and increased performance skills. Opportunities are provided for performance in school and community and are required. Members are selected by audition.

COURSE TITLE: CHORAL ENSEMBLE MIXED CREDIT: 2

PREREQUISITE: AUDITION GRADES: 11 / 12
PREVIOUS CHORAL EXPERIENCE

Choral ensemble consists of advanced choral musicians selected by audition. The group may function in a variety of formats throughout the year such as chamber choir, madrigal singers, jazz/pop ensemble, and show choir. Emphasis is placed on an advanced degree of musicianship, increased harmonic and rhythmic reading skill, and increased performance skills. Opportunities are provided for performance in school and community and are required. Members are selected by audition.

COURSE TITLE: DEVELOPMENT OF ROCK AND ROLL CREDIT: 1

PREREQUISITE: NONE GRADES: 9-12

This course includes exploration into the beginnings of Rock and Roll music up to the present, with discussions ranging from lyrics and important musicians to social and political commentary. Requirements will include reading assigned materials, classroom discussions, critiquing musical examples, giving an oral Power Point presentation, and writing biographical essays.

COURSE TITLE: FRESHMAN ORCHESTRA CREDIT: 1

PREREQUISITE: TEACHER APPROVAL GRADES: 9

This course is designed to give students the opportunity to learn to play one of the following string instruments: Violin, Viola, Cello or Bass. Students will be exposed to the four (4) string instruments listed above and through teacher guidance will be allowed to learn the instrument of their choice or the instrument for which the student is best suited. Students will learn the basic elements of music as well as the proper way to play their musical instrument.

COURSE TITLE: ORCHESTRA CREDIT: 1

PREREQUISITE: PREVIOUS EXPERIENCE AND TRAINING GRADES: 9, 10, 11, 12

Orchestra is designed to provide students with the opportunity of continuing the study and performance of music literature emphasizing a variety of styles from several historical periods. The course focuses on the study of the elements of music and the development of advanced individual and group performance skills. Individual practice, after-school practice and rehearsal sessions, and performances are required.

COURSE TITLE: MARCHING BAND (WOODWINDS) CREDIT: 1

PREREQUISITE: PREVIOUS EXPERIENCE GRADES: 9, 10, 11, 12

Performance skills and techniques are emphasized. Band focuses on the study of the elements of music and the development of advanced individual and group performance skills. Individual practice, after-school practice and rehearsal sessions, weekend contests, and performances are required.

COURSE TITLE: MARCHING BAND (BRASS/PERCUSS) CREDIT: 1

PREREQUISITE: PREVIOUS EXPERIENCE GRADES: 9, 10, 11, 12

Performance skills and techniques are emphasized. Band focuses on the study of the elements of music and the development of advanced individual and group performance skills. Individual practice, after-school practice and rehearsal sessions, weekend contests, and performances are required.

COURSE TITLE: BAND PERCUSSION TECH CREDIT: 1

PREREQUISITE: SUCCESSFUL COMPLETION OF 8TH GRADE PERCUSSION CURRICULUM GRADES: 9, 10, 11, 12

All percussion students will enroll in Instrumental Ensemble – Percussion for the spring semester. Percussion Ensemble will focus on developing skills and techniques specific to percussionists. As well as developing the fundamentals of performance, students will also get experience performing a varied style of concert percussion repertoire. Students will also prepare music selections for performance with the Concert Bands. The student agrees to attend all after school rehearsals and performances. Rehearsals with the Concert Bands will be scheduled in advance to accommodate transportation plans. Students are expected to maintain a high level of preparation as members of the Percussion Ensemble. Private instruction from a specialist is highly recommended. A list of instructors will be made available.

COURSE TITLE: CONCERT BAND CREDIT: 1

PREREQUISITE: PREVIOUS EXPERIENCE GRADES: 9, 10, 11, 12

The Concert Band, Symphonic Band, and Wind Ensemble are musical groups concentrating their skills on musical performances for advanced woodwinds, brass, and percussion performance. These bands play a variety of styles and types of music selected from the standard high school band repertoire. The goal of these courses is to develop a proficiency on a chosen instrument through rehearsals, lessons and various performances. These bands will have several performance opportunities throughout the semester. Through these classes the students will improve instrumental skills, elevate performance skills as well as develop an understanding of the performance process. All National Music Standards are addressed and the highest expectations of musicianship and behavior are expected. Rehearsals and performances during the school day, before and after the regular school day, as well as on non-school days, may be required. (Prerequisite: Previous study of a band instrument and Music Instructor's signature) Can be taken for multiple credits.

COURSE TITLE: SYMPHONIC BAND CREDIT: 1

PREREQUISITE: PREVIOUS EXPERIENCE GRADES: 9, 10, 11, 12

The Concert Band, Symphonic Band, and Wind Ensemble are musical groups concentrating their skills on musical performances for advanced woodwinds, brass, and percussion performance. These bands play a variety of styles and types of music selected from the standard high school band repertoire. The goal of these courses is to develop a proficiency on a chosen instrument through rehearsals, lessons and various performances. These bands will have several performance opportunities throughout the semester. Through these classes the students will improve instrumental skills, elevate performance skills as well as develop an understanding of the performance process. All National Music Standards are addressed and the highest expectations of musicianship and behavior are expected. Rehearsals and performances during the school day, before and after the regular school day, as well as on non-school days, may be required. (Prerequisite: Previous study of a band instrument and Music Instructor's signature) Can be taken for multiple credits.

COURSE TITLE: AP MUSIC THEORY CREDIT: 1

PREREQUISITE: TEACHER RECOMMENDATION GRADES: 10, 11, 12

A major component of any college curriculum in music is a course introducing the first-year student to music theory, a subject that comprises the musical materials and procedures of the Common Practice period. Such a course may bear a variety of titles (Basic Musicianship, Elementary Theory, Harmony and Dictation, Structure of Music, etc.) It may emphasize one aspect of music, such as harmony; more often, however, it integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of the theory course, although they may be taught as separate classes.

The student's ability to read and write musical notation is fundamental to such a course. It is also assumed that the student has acquired (or is acquiring) at least basic performance skills in voice or on an instrument.

The ultimate goal of an AP Music Theory course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The achievement of these goals may best be approached by initially addressing fundamental aural, analytical, and compositional skills using both listening and written exercises. Building on this foundation, the course should progress to include more creative tasks, such as the harmonization of a melody by selecting appropriate chords, composing a musical bass line to provide two-voice counterpoint, or the realization of figures-bass notation.

THEATER

COURSE TITLE: THEATRE ARTS I CREDIT: 1

PREREQUISITE: NONE GRADES: 9, 10, 11, 12

A one-unit course for students who have an interest in drama and wish to learn the history of theatre and improve their abilities in communicating and appearing before a group. The curriculum includes exercises in pantomime, improvisation, basic stage direction, play reading, theatre history, stagecraft, basic acting skills, and oral interpretation.

COURSE TITLE: ADVANCED THEATER ARTS CREDIT: 1

PREREQUISITE: THEATRE ARTS I AND AUDITION GRADES: 10, 11, 12

For students who have completed Theatre Arts I and who wish to expand their interpretative skills and knowledge of theatre. The curriculum includes further study of oral and dramatic interpretation of prose and poetry. An interview with the teacher and/or auditions for admission may be required.

COURSE TITLE: ADVANCED THEATER STAGE CRAFT (FALL / SPRING) CREDIT: 1

PREREQUISITE: THEATRE ARTS I AND TEACHER RECOMMENDATION GRADES: 10-12

A one-unit course for students who have an interest in developing an overall understanding of the aspects of theatre production. Students will develop skills in lighting, sound, set construction, set painting, props, program/poster design, costuming, make-up, and publicity.

COURSE TITLE: ADVANCED THEATRE PRODUCTION CREDIT: 1

PREREQUISITE: THEATRE ARTS I AND AUDITION GRADES: 10-12

This one-unit course will focus on the study and application of technical theatre including set design, set building, lighting, sound, props, stage managing, costume design, makeup, publicity, box office, and house management. A requirement of this course includes preparation in a show which will require time commitment outside of class.

COURSE TITLE: MUSICAL THEATRE CREDIT: 1

PREREQUISITE: AUDITION ONLY GRADES: 9, 10, 11, 12

This course offers students the opportunity to study and perform in this genre. The course combines practical vocal training including diction and tone quality as well as the development of students as actors. Students will study the evolution of musical theater and develop and appreciation for this uniquely American art form. (Elective credit)

HUMANITIES

COURSE TITLE: FILM STUDIES / SPORTS FILM STUDIES CREDIT: 1

PREREQUISITE: NONE GRADES: 11, 12

This course will give students an understanding of the complex relationship between American culture and commercial films in the 20th Century. Besides learning to identify the technical components of movies, students will explore and research the time period in which a particular film was produced. By the end of the course, students will be able to identify political, economic, and cultural issues that have concerned Americans throughout the 20th Century, and analyze how movies continue to both reflect and shape American society.

COURSE TITLE: JOURNALISM I CREDIT: 1

PREREQUISITE: TEACHER APPROVAL, APPLICATION GRADES: 10, 11, 12

A one-unit course for students who are proficient in writing skills and have an interest in the production of publications. Curriculum includes the history and elements of journalistic style and the application of journalistic techniques to the development of a publication. Students who wish to take this course must be highly motivated, work well with peers, and be responsible in following through with assignments as the work culminates in a publication. (Prerequisite: students will have to demonstrate ability to write well; students are required to apply for this course; and students are required to receive teacher recommendation.) Publications include electronic media (grades 10 – 12) and yearbook (grades 11 and 12). (Elective credit: may not count as English credit.)

COURSE TITLE: ADVANCED JOURNALISM (YEARBOOK / NEWSPAPER) CREDIT: 1

PREREQUISITE: SUCCESSFUL COMPLETION OF JOURNALISM I GRADES: 10, 11, 12
TEACHER APPROVAL, APPLICATION

A continuation and application of the journalistic skills covered in Journalism I. (Prerequisites: Successful completion of Journalism I. Students will have to demonstrate ability to write well; students are required to apply for this course; students may be required to receive teacher recommendation.) Publications include the electronic media and journalism yearbook. (Elective credit: may not count as English credit.)

COURSE TITLE: CREATIVE WRITING I, ENGLISH ELECTIVE CREDIT: 1

PREREQUISITE: NONE GRADES: 9, 10

Creative Writing I is an elective course for students who have an interest in studying and writing in the genres of poetry, drama, short story, and nonfiction. The curriculum includes the study of the genres, the students' personal examples of the genres and their development of a portfolio. (Elective credit: may not count as English credit.)

COURSE TITLE: SHAKESPEARE AND THE RENAISSANCE

CREDIT: 1

PREREQUISITE: ENGLISH 9, 10

GRADES: 11, 12

This is an elective course for 11th and 12th grade students who are interested in further study of Shakespeare's history and literature. The course will outline and study Shakespearean drama and poetry in depth, and his contributions and influence will be connected to present day literature, film, and everyday life. (Elective credit: may not count as English credit.)

COURSE TITLE: SPEECH

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9, 10, 11, 12

A one-unit course for students who wish to develop skills in public speaking. The curriculum includes skills in researching, writing, presenting, and adapting speeches to various audiences and purposes. Forensics and debate may be included.

COURSE TITLE: SCIENCE FICTION

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9, 10, 11, 12

An elective course for students who have an interest in the genre of science fiction. The course includes units that represent prevalent themes in science fiction: Man and Science, Man in Progression, Alien Encounters, and Visions of the Future. The curriculum includes projects, reading, vocabulary development, discussion, composition and oral presentations. (Elective credit: may not count as English credit.)

COURSE TITLE: PSYCHOLOGY/SOCIOLOGY

CREDIT: 1

PREREQUISITE: NONE

GRADES: 11, 12

Psychology will explore human behavior--what people do, how they think, and why they act as they do. The student is exposed to a broad survey of the fundamental principles of psychology. Sociology is presented as a field of study of man in his culture and the organization of society. The student will be exposed to current social issues through the use of periodicals and other current material. Students may choose this course or AP Psychology.

SOCIAL STUDIES

NOTE: To satisfy graduation requirements, students must earn one unit of U.S. History, one-half unit of Economics, one-half unit of American Government, and one additional unit in World History, a total of three units.

COURSE TITLE: US HISTORY CP / AP US HISTORY

CREDIT: 1

PREREQUISITE: TEACHER/COUNSELOR RECOMMENDATION FOR AP

GRADE: 11

U.S. History is a one-unit course presenting our nation's progress from Reconstruction to the present in a chronological order of events. Emphases are placed upon the forces and challenges that prompted its growth and rise to a world power. Fundamental is geared to students functioning well below grade level. Advanced Placement is taught at the college level and requires additional readings and in-depth study. An emphasis is placed on historical analysis and writing.

COURSE TITLE: AMERICANS AT WAR

PREREQUISITE: NONE

This course is a survey of the conflicts and causes leading up to the War Between the States. The in depth study will be all inclusive of the war, Reconstruction, and westward migration.

COURSE TITLE: BIBLE HISTORY

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9, 10, 11, 12

This course is a survey of the Bible with emphasis upon its historical, literary, geographical, artistic, and cultural aspects. This course offers insights into the many historical events recorded in the Bible. It treats the Bible as a great literary work in itself as well as a primary source of allusions found in countless works of literature, art, and music. The first half focuses primarily on the Old Testament and the second half on the New Testament.

COURSE TITLE: AP ENGLISH LIT /AP US HISTORY

CREDIT: 1 EACH

PREREQUISITE: TEACHER RECOMMENDATION (1 English and 1 Social Studies)
AND SUCCESSFUL COMPLETION OF HONORS ENGLISH II OR 10 CP

GRADE: 11

This is a two-credit course that combines Advanced Placement English III and Advanced Placement United States History. The English course focuses on developing sophistication and maturity in writing and critically reading and analyzing texts from American literature. The History course provides an in-depth analysis of the development of American history from the pre-Colonial period through the present. It includes a detailed examination of the political, diplomatic, intellectual, cultural, social, and economic history. Because English III AP is based on the survey of American literature, it is an obvious complement to the AP U.S. History course.

COURSE TITLE: AFRICAN AMERICAN STUDIES

CREDIT: 1

PREREQUISITE: NONE

GRADES: 10, 11, 12

Students will examine the life and contributions of African Americans from the early 1600's through modern America. Students will explore the influence of geography on slavery and the growth of slavery on the American continent. Students will consider urban and rural African American communities and institutions in the North and South leading up to and during the Civil War. Students will investigate the rise and effects of Jim Crow and trace the impact of African American migration through the early twentieth century. Students will explore the impact of the Harlem Renaissance and the conditions and contributions of African Americans during the Great Depression and World War II. Students will examine the successes and failures of the Civil Rights Movement and consider the contemporary issues confronting African Americans. (This course is recommended for grades 10-12)

COURSE TITLE: AP EUROPEAN HISTORY

CREDIT: 1

PREREQUISITE: TEACHER RECOMMENDATION
AP ENGLISH RECOMMENDED

GRADES: 10, 11, 12

This Advanced Placement course in European History provides an in-depth study of the development of Western European History. It is designed to increase the knowledge of the political, social, economic, and intellectual histories of the nations of Western European History. The student will gain a better understanding of the problems faced by people at a given time, relate these problems to the present, and attempt to find solutions. This course follows College Board guidelines and is taught at the college level. A heavy emphasis is placed on historical analysis and writing.

COURSE TITLE: WORLD HISTORY CP/WORLD HISTORY HONORS

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9

The study of World History-Modern provides students with the opportunity to take a more in-depth look at events and personalities from the Renaissance to the present that have shaped the contemporary world. Through this course of study, the students will explore and evaluate the impact of revolutions, wars, peace, ideologies, exploration, colonization, industrialization, and technological advances on global development. The honors course will involve more writing and analysis of primary and secondary sources.

COURSE TITLE: AP WORLD HISTORY

CREDIT: 1

PREREQUISITE: TEACHER RECOMMENDATION

GRADES: 9, 10

This Advanced Placement course in World History provides an in-depth look at the economic, political, cultural, social, and environmental development of major civilizations in Africa, the Americas, Asia, and Europe. The course has as its chronological frame the period 8000 B.C. to the present, with the major focus on the period from 600 A.D. to the present. An emphasis is placed on historical analysis and writing. *Note: This is an AP course for 9th and 10th grade students. It satisfies the State Department of Education requirement for one credit in World History.*

COURSE TITLE: PERSONAL FINANCE

CREDIT: 1/2

PREREQUISITE: NONE

GRADE: 12

This is a one-half credit course. This course is designed to inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. (This course is recommended for grade 12.)

COURSE TITLE: ECONOMICS

CREDIT: 1/2

PREREQUISITE: ALGEBRA I REQUIRED FOR AP ECON

GRADE: 12

This one-half unit economics course is required for graduation. It reviews the fundamental economic principles of our American manufacturing and marketing techniques. Emphasis is placed on how the consumer is affected and how the consumer may become better informed. Advanced Placement is taught at the college level and includes basic economic concepts, the nature and functions of product markets, factor markets, and the role of government.

COURSE TITLE: AP MICRO ECONOMICS

CREDIT: 1

PREREQUISITE: TEACHER RECOMMENDATION FOR AP ECON

GRADE: 12

The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. * (Prerequisite: Departmental Recommendation) 3444

COURSE TITLE: AP MACRO ECONOMICS

CREDIT: 1

PREREQUISITE: TEACHER RECOMMENDATION FOR AP ECON

GRADE: 12

The purpose of the AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Prerequisite: Departmental Recommendation

**COURSE TITLE: AMERICAN GOVERNMENT
AP AMERICAN GOVERNMENT**CREDIT: 1/2
CREDIT: 1

PREREQUISITE: TEACHER RECOMMENDATION FOR AP GOVT

GRADE: 10

American Government is a one-half unit course required for graduation. It presents an overview of local, state, and national governmental structures, functions, processes, and constitutional foundations. Civic responsibilities, political parties, and election processes are also reviewed. Advanced Placement is taught on the college level and requires additional readings and in-depth study.

COURSE TITLE: GLOBAL RELIGIOUS STUDIES

CREDIT: 1

PREREQUISITE: NONE

GRADE: 11, 12

The course will examine a number of the world's religions. Mystical and philosophical movements are examined to provide a better understanding of these highly influential traditions, as well as a basic introduction to the idea of religion itself. These religions still exert a great deal of influence in the world.

WORLD LANGUAGE

NOTE: World languages are taught sequentially. Students must complete each level with a passing grade before enrolling in the next level. Each course offers one unit of credit.

Generic course descriptions for French, German, Arabic, and Spanish appear below. Arabic classes are yet to be approved by the Knox County School System. Latin descriptions are listed separately.

COURSE TITLE: FRENCH I; GERMAN I; SPANISH I CREDIT: 1

PREREQUISITE: RECOMMENDED FOR STUDENTS SCORING 14 – 19 ON EXPLORE ENGLISH GRADE: 9, 10, 11, 12

For students who are interested in acquiring knowledge of the foreign language and culture. The curriculum includes the study of the culture and basic communicative skills in listening, speaking, reading, and writing. Recommended for 9th grade students who read and perform language arts skills and math skills above grade level. It is recommended that students in grades 10-12 who are following the university path begin studying languages in 10th grade.

COURSE TITLE: ARABIC I (PENDING APPROVAL) CREDIT: 1

PREREQUISITE: RECOMMENDED FOR STUDENTS SCORING 14 – 19 ON EXPLORE ENGLISH GRADE: 9, 10, 11, 12

For students who are interested in acquiring knowledge of the foreign language and culture. The curriculum includes the study of the culture and basic communicative skills in listening, speaking, reading, and writing. Recommended for 9th grade students who read and perform language arts skills and math skills above grade level. It is recommended that students in grades 10-12 who are following the university path begin studying languages in 10th grade.

COURSE TITLE: LATIN I CREDIT: 1

PREREQUISITE: TEACHER RECOMMENDATION GRADE: 9, 10, 11, 12

LATIN I is for students who are interested in acquiring knowledge of the Roman language and culture. The curriculum includes the development of vocabulary, grammar, translation skills, and the study of the historical and cultural values of Rome and its continuing contributions to western civilization. Recommended for 9th grade students who read and perform language arts skills **above** grade level.

COURSE TITLE: LATIN I HONORS CREDIT: 1

PREREQUISITE: TEACHER RECOMMENDATION GRADE: 9, 10, 11, 12

The honors curriculum differs both in pacing and rigor from the regular Latin I CP course. In addition to covering more content, students in Latin I Honors will be expected to write more extensively in Latin in class exercises, homework assignments, and extra take-home projects.

COURSE TITLE: FRENCH II; GERMAN II; RUSSIAN II; SPANISH II CREDIT: 1

PREREQUISITE: TEACHER RECOMMENDATION GRADE: 10, 11, 12

For students who are interested in developing the skills learned in the first level. The curriculum includes further study of the skills acquired in level one. Students who have successfully completed level I or who have demonstrated proficiency as determined through a language proficiency test or through teacher recommendation are eligible to take this course. Recommended for students in grades 10-12 who are following the university path.

COURSE TITLE: ARABIC II (PENDING APPROVAL) CREDIT: 1

PREREQUISITE: TEACHER RECOMMENDATION GRADE: 10, 11, 12

For students who are interested in developing the skills learned in the first level. The curriculum includes further study of the skills acquired in level one. Students who have successfully completed level I or who have demonstrated proficiency as determined through a language proficiency test or through teacher recommendation are eligible to take this course. Recommended for students in grades 10-12 who are following the university path.

COURSE TITLE: LATIN II CREDIT: 1
PREREQUISITE: TEACHER RECOMMENDATION GRADE: 9, 10, 11, 12

LATIN II is for students who are interested in developing the skills learned in the first level. The curriculum includes further study of Latin grammar, language, history, and culture of the Romans. Students who have successfully completed level I or who have demonstrated proficiency as determined through a language proficiency test or through teacher recommendation are eligible to take this course. Recommended for students in grades 10-12 who are following the university path.

**COURSE TITLE: FRENCH III HONORS; GERMAN III HONORS;
; SPANISH III HONORS** CREDIT: 1
PREREQUISITE: TEACHER RECOMMENDATION GRADE: 10, 11, 12

These courses follow the general curriculum but move at a faster pace and are more in depth. Also, additional vocabulary and grammar are taught. Increased emphasis is placed on writing, speaking, reading, and listening skills.

COURSE TITLE: LATIN III HONORS CREDIT: 1
PREREQUISITE: TEACHER RECOMMENDATION GRADE: 9, 10, 11, 12

This course follows the general curriculum for Level III but moves at a faster pace and is more in depth. Also, additional vocabulary and grammar are taught. Increased emphasis is placed on writing, reading, and translations. (Prerequisite: Teacher recommendation or demonstrated proficiency)

**COURSE TITLE: FRENCH IV HONORS; GERMAN IV HONORS;
; SPANISH IV HONORS** CREDIT: 1
PREREQUISITE: TEACHER RECOMMENDATION GRADE: 11, 12

For students who are motivated to continue the study of language. The curriculum includes the study of authentic materials and further development of communication skills in the language and will help to prepare the student for university-level placement tests in the language. NOTE: Many university world language departments offer placement test options for all students which may allow them to test out of lower-level world language requirements and for which they may receive university credit.

COURSE TITLE: LATIN IV HONORS CREDIT: 1
PREREQUISITE: TEACHER RECOMMENDATION GRADE: 9, 10, 11, 12

This class includes reading and translating specific works of literature and/or intensive language study in preparation for the Advanced Placement examination in Latin. Two advanced placement tests are offered in Latin. (Prerequisite: Teacher Recommendation)

COURSE TITLE: FRENCH AP; GERMAN AP; SPANISH AP CREDIT: 1
PREREQUISITE: TEACHER RECOMMENDATION GRADE: 11, 12

For students who are motivated to continue intensive study of the language in preparation for the Advanced Placement examination. The curriculum includes the study of authentic materials and further development of oral/aural skills in the language and will help to prepare students for the Advanced Placement examination. Students who have successfully completed Level III Honors and Level IV Honors of the language or who have demonstrated proficiency as determined through a language proficiency test or through teacher recommendation are eligible to take this course.

COURSE TITLE: LATIN AP CREDIT: 1
PREREQUISITE: TEACHER RECOMMENDATION GRADE: 11, 12

ADVANCED PLACEMENT LATIN includes reading and translating specific works of literature and/or intensive language study in preparation for the Advanced Placement examination in Latin.

ENGLISH

NOTE: To satisfy graduation requirements, each student must complete four courses of Language Arts: English I, English II, English III, and English IV. Each of these core courses addresses eight curriculum content strands: Language, Communication, Writing, Research, Logic, Informational Text, Media, and Literature.

NOTE: All courses required for graduation have an outside reading list.

COURSE TITLE: ENGLISH I CP CREDIT: 1

RECOMMENDATION: GRADE LEVEL READING AND LANGUAGE SKILLS, GRADE: 9
PREVIOUS ACADEMIC PERFORMANCE AND 8TH GRADE
TEACHER RECOMMENDATION

College Prep English I is a course for students who are functioning on grade level or above in language arts and reading. These students have scored ≤ 796 on a standardized test in reading/language and have demonstrated an average or above average ability to perform grade-level language skills. The curriculum includes a study of grammar and language, study skills, library skills, composition skills, literature, and vocabulary. All students at this level will be required to write a research paper.

COURSE TITLE: CONTENT AREA READING CREDIT: 1

RECOMMENDATION: GRADE LEVEL READING AND LANGUAGE SKILLS, GRADE: 9

A full or half-credit elective course option for students who practice and internalize strategies that are essential life-long learning skills for reading, writing, understanding, and interpreting content specific materials. The strategies will be applied in the content areas of English, mathematics, science, and social studies. Skills will include previewing and reviewing print and non- print text, activating prior knowledge, processing and acquiring new vocabulary, organizing information, understanding visual representations, self-monitoring, and reflecting. (Elective credit)

COURSE TITLE: HONORS ENGLISH I CREDIT: 1

PREREQUISITE: TEACHER RECOMMENDATION, AND ACADEMIC PERFORMANCE GRADE: 9

Honors English I is a course for students who are functioning above grade level in language arts and reading. These students have scored greater than 796 in reading/language on a standardized test and have demonstrated competency in grammar and composition skills in the 8th grade. They must have the motivation and desire to participate in the program. This Honors course includes an in-depth study of composition, research, and literary analysis; it requires advanced study techniques and outside readings, **including outside reading between the 8th and 9th grades**. All students at this level will be required to write a research paper.

COURSE TITLE: ENGLISH II CP CREDIT: 1

PREREQUISITE: SUCCESSFUL COMPLETION OF ENGLISH I CP GRADE: 10

College Prep English II is a course for students who have successfully demonstrated an average or above average ability to perform grade-level language, analytical, composition, and reading skills. The curriculum includes further development in literary analysis, vocabulary development, and composition. All students at this level will be required to write a research paper.

COURSE TITLE: HONORS ENGLISH II CREDIT: 1

PREREQUISITE: SUCCESSFUL COMPLETION OF HONORS ENGLISH I GRADE: 10
OR RECOMMENDATION FROM 9 CP TEACHER

Honors English II is a course for students who have demonstrated a mastery of grammar, writing, and reading skills in the English I college prep or honors level. The curriculum is an in-depth study of critical thinking and analytical skills and includes the development of composition, literary analysis, research, and speaking skills. Outside reading is required. This course is in preparation for success in the Advanced Placement curriculum at the 11-12 grades. All students at this level will be required to write a research paper.

COURSE TITLE: ENGLISH III CP CREDIT: 1

PREREQUISITE: SUCCESSFUL COMPLETION OF ENGLISH II CP GRADE: 11

College Prep English III is a course for students who have successfully demonstrated an average or above average ability to perform grade-level language, analytical, composition, and reading skills. The curriculum includes further development in literary analysis, vocabulary development, composition, and research.

COURSE TITLE: TECHNICAL WRITING (WRITING FOR COLLEGE) CREDIT: 1

PREREQUISITE: SUCCESSFUL COMPLETION OF ENGLISH II CP GRADE: 11

This course was designed to focus on the specifics of professional research and communication. Students will blend their discipline-specific knowledge in career-focused classes with business and technical communication skills. Becoming fluent in writing, reading and researching for the professional community requires specific focus and attention to the culture and expectations. Types of texts students will read and produce include white papers, research briefs, literature reviews, grants, and proposals. Students will also engage in defending a research brief and pitching a proposal. Assessment will be through assignments and a portfolio review with reflection. This course is designed for 11th and 12th grade students

COURSE TITLE: AP ENGLISH LANGUAGE AND COMPOSITION CREDIT: 1

PREREQUISITE: HONORS ENGLISH II OR 10 CP WITH TEACHER RECOMMENDATION GRADE: 11

Advanced Placement English III is a course for students who have successfully completed Honors English II or have demonstrated excellence in composition and rhetorical skills. The curriculum emphasizes analysis, research, and composition as students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. Students will be expected to think critically and analytically and be able to express themselves effectively. Outside readings are required. The course is designed to help develop the cognitive and communicative skills necessary to do well on the AP English Language and Composition Test.

COURSE TITLE: ENGLISH IV CREDIT: 1

PREREQUISITE: SUCCESSFUL COMPLETION OF ENGLISH III CP GRADE: 12

This is a course for students who have successfully demonstrated an average or above average ability to perform language, analytical, composition and reading skills. The literature component focuses on a survey of British/World literature with continued development of literary analysis skills. The course also emphasizes study of rhetorical appeals in real-world argumentative writing. The curriculum includes further development of analytical composition and research skills in preparation for college English.

COURSE TITLE: AP ENGLISH LITERATURE AND COMPOSITION CREDIT: 1

PREREQUISITE: SUCCESSFUL COMPLETION OF AP ENGLISH III OR RECOMMENDATION FROM 11 CP TEACHER GRADE: 12

Advanced Placement English IV is a course for students who have successfully completed Advanced Placement English III or demonstrated competency in composition and literary analysis skills. Students must be highly motivated and have above-average writing and analytical skills. The curriculum is an in-depth study of American/British/World literature with expectations commensurate with the first year of college English. Outside readings are required. The course is designed to help develop the cognitive and communicative skills necessary to do well on the Advanced Placement Test in English Literature and Composition.

COURSE TITLE: ENGLISH SECOND LANGUAGE/ENGLISH LANGUAGE LEARNER (ESL/ELL) CREDIT: 1

PREREQUISITE:NON-ENGLISH LANGUAGE BACKGROUND GRADES: 9, 10, 11, 12

ESL is an English course designed for students whose first language or primary language is other than English. Based on level of English proficiency as determined by a standardized, state-approved ESL Test, students are provided English instruction specifically designed for second language learners. Students may substitute ESL/ELL for up to two units of English credit. Additional credit earned in ESL/ELL may be used as elective credit at the same rate as other courses in the student's school.

MATHEMATICS

Note: Students must take a mathematics course each year in high school to complete a 4 credit core that must include Algebra I, Geometry, Algebra II, and one advanced math course.

Recommended Bearden High School Mathematics course sequences:

Mathematics Sequence of Courses			
9th Grade	10th Grade	11th Grade	12th Grade
Honors Geometry	Honors Algebra II BC	Honors PreCalculus BC AP Statistics*	AP Calculus AB/BC AP Statistics*
	Honors Algebra II AB	Honors PreCalculus AB AP Statistics*	AP Calculus AB AP Statistics*
Honors Algebra I	Honors Geometry Fall	Honors Algebra II BC Spring	Honors PreCalculus BC AP Statistics*
	Honors Algebra II AB Spring	Honors PreCalculus AB AP Statistics*	AP Calculus AB AP Statistics*
	Honors Geometry	Honors Algebra II AB (Fall) Honors PreCalculus AB (Spring)	AP Calculus AB AP Statistics*
Algebra I	Geometry	Algebra II (Fall) PreCalculus (Spring)	Calculus CP AP Statistics*
		Algebra II	PreCalculus
		Algebra II A & Algebra II B	DC Prob. and Statistics

Advancing to the next course is always contingent upon successful completion of the preceding course. Please see the course descriptions on the following pages for more information.

COURSE TITLE: ALGEBRA 1A AND ALGEBRA 1B

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9, 10, 11, 12

This required two-term sequence is designed for students in the 9th grade who enter high school not ready to start Algebra I. These courses will explore and apply concepts, processes, and skills that are essential to successfully completing the high school graduation requirement. The first term is spent integrating pre-algebra and introductory algebra skills. More time is devoted to skill development than is possible in the one-term Algebra I class.

COURSE TITLE: FINITE MATH

CREDIT: 1

PREREQUISITE: ALGEBRA II

GRADES: 12

This course is a 4th year senior level math course that will focus on the big ideas of advanced mathematics. This course is designed to prepare students for both college and the workplace. Students choosing to take this course would be less likely to enroll in a STEM Calculus course upon entering college. However, this course will provide a foundation for students entering a business application Calculus course or other general mathematics course.

COURSE TITLE: ALGEBRA I (COLLEGE PREP)

CREDIT: 1

PREREQUISITE: RECOMMENDED ACADEMIC STATUS FROM THE 8TH GRADE
OR DEPARTMENTAL RECOMMENDATION

GRADES: 9, 10, 11, 12

RECOMMENDATION: RECOMMENDED ACADEMIC STATUS FROM THE 8TH GRADE,

Algebra I is a preparatory course that places an emphasis on the systematic development of the language through which most of mathematics is communicated. It provides the mathematical understanding to operate with concepts at an abstract level, then apply them in a process that fosters generalizations and insights beyond the original content. Topics covered are: properties of the number system, linear functions, inequalities, operations on real numbers and polynomials, exponents, radicals, and quadratics. Successful completion of this sequence prepares student for Geometry.

COURSE TITLE: ALGEBRA I HONORS

CREDIT: 1

PREREQUISITE: DEPARTMENTAL RECOMMENDATION

GRADE: 9

RECOMMENDATION: RECOMMENDED ACADEMIC STATUS FROM THE 8TH GRADE, TCAP MATH >800 AND A SCORE OF 19-25 ON THE MATH PORTION OF THE EXPLORE TEST, GRADES OF A OR B WITH RESPECT TO PAST PERFORMANCE IN MATHEMATICS.**COURSE TITLE: GEOMETRY (COLLEGE PREP)**

CREDIT: 1

PREREQUISITE: ALGEBRA I

GRADES: 10, 11, 12

Geometry is a survey of the fundamental and advanced concepts of plane geometry and the related topics in three dimensional geometry, coordinate geometry, and transformational geometry. The course begins with necessary introductory vocabulary and continues with algebraic and geometric proofs based on an axiomatic system. Applications of the theorems are utilized to help students grasp an understanding of how geometry is used in different careers and everyday life. Successful completion of this course prepares a student for further work in Algebra II.

COURSE TITLE: GEOMETRY HONORS

CREDIT: 1

PREREQUISITE: 8TH GRADE ALGEBRA I OR ALGEBRA I HONORS

GRADE: 9, 10

RECOMMENDATION: A OR B IN 8TH GRADE ALGEBRA I OR HONORS ALGEBRA I AND TEACHER RECOMMENDATION.

Topics found in college-prep geometry are covered more in-depth with emphasis placed on problem solving, writing skills (especially in the writing of proofs), and algebraic applications. Additional enrichment objectives are covered as time permits. Successful completion of this course prepares a student for further work in Algebra, usually Honors Algebra II.

COURSE TITLE: ALGEBRA II A AND ALGEBRA II B (Second term of the two-term sequence) CREDIT: 1

PREREQUISITES: ALGEBRA I AND GEOMETRY GRADES: 10, 11, 12

This required two-term sequence is designed for students who complete Geometry, but may need a review of Algebra I skills. These courses will explore and apply concepts, processes, and skills that are essential to successfully completing the high school graduation requirement. The first term is an elective credit and time is spent integrating Algebra I and introductory Algebra II skills. More time is devoted to skill development than is possible in the one-term Algebra II class.

COURSE TITLE: ALGEBRA II CREDIT: 1

PREREQUISITES: ALGEBRA I AND GEOMETRY GRADES: 10, 11, 12

RECOMMENDATION: "C" OR BETTER IN ALGEBRA I AND GEOMETRY

Algebra II is the study of functions. The course includes an extension of the concepts of Algebra I and Geometry. Topics covered are: quadratic equations and functions; systems of equations and inequalities; polynomials and rational polynomial expressions; polynomial functions; conic sections; exponential, logarithmic and trigonometric functions. Satisfactory completion of this course prepares students for entry into Pre-Calculus or Advanced Algebra and Trigonometry.

COURSE TITLE: PRECALCULUS CREDIT: 1

PREREQUISITE: ALGEBRA I, GEOMETRY, ALGEBRA II GRADES: 11, 12

RECOMMENDATION: A OR B AVERAGE IN PREREQUISITE COURSES

Pre-calculus develops the topics essential for success in calculus. Content includes a study of algebraic, transcendental, and trigonometric functions, as well as their composition and inverses; polar graphing, complex numbers, conic sections, and sequences and series. Students who complete this sequence successfully will have a strong background for a first-year Calculus sequence.

COURSE TITLE: HONORS PRECALCULUS CREDIT: 1

RECOMMENDATION: "A" OR "B" IN HONORS ALGEBRA II, DEPARTMENTAL RECOMMENDATION GRADES: 11, 12

The faster pace of this course provides the time to enrich the content of Pre-Calculus through the study of additional objectives and topics. Successful completion of this course provides the student with the necessary prerequisites for Advanced Placement Calculus. (Prerequisites: Geometry (Honors) and Algebra II (Honors) with an "A" or "B" average grades or Departmental Recommendation)

COURSE TITLE: CALCULUS CREDIT: 1

PREREQUISITE: PRECALCULUS GRADE: 12

Calculus is for students who have a thorough knowledge of college preparatory mathematics. Course content includes the study of limits, derivatives, integration, and their applications; exponential, logarithmic and trigonometric functions.

COURSE TITLE: AP CALCULUS: AB/BC CREDIT: 1

PREREQUISITE: HONORS PRECALCULUS BC AND DEPARTMENTAL RECOMMENDATION GRADE: 11, 12

The Advanced Placement course of BC Calculus is a year-long study of Calculus that includes all the topics covered in AP Calculus AB and additional topics covered in AP Calculus BC following the topics as listed in the College Board Advanced Placement Course Description. This description can be downloaded from the following web site: http://collegeboard.com/student/testing/ap/sub_calbc.html. Students enrolled in this course will be prepared to take the Advanced Placement BC Calculus Exam, where qualifying scores can earn two (2) semesters of college credit.

COURSE TITLE: AP STATISTICS

CREDIT: 1

PREREQUISITE: C IN ALGEBRA II
COLLEGE PREP ENGLISH OR HIGHER
DEPARTMENTAL RECOMMENDATION

GRADES: 10, 11, 12

Advanced Placement Statistics is a course that involves the study of chance occurrences and the study of statistical methods in handling numerical data. This course follows the College Board outline, whose content covers the introduction to probability, numerical data, random variables, and binomial distributions. It is non-calculus in its orientation. The scope of this course follows the topics listed in the College Board Advance Placement Course Descriptions. This description can be down loaded from the following web site: http://collegeboard.com/student/testing/ap/sub_stats.html. This course may be a valuable background course for students who are going to study business, humanities, or philosophy in college.

COURSE TITLE: AP COMPUTER SCIENCE

CREDIT: 1

PREREQUISITE: MATH COMPUTER APPLICATIONS

GRADES: 10, 11,12

Computer Science A covers topics in a first-semester introductory college course in computer science. It involves programming in JAVA. The scope of this course follows the topics listed in the College Board Advanced Placement Course Descriptions. This description can be downloaded from the following website: http://collegeboard.com/student/testing/ap/sub_compscia.html.

COURSE TITLE: BRIDGE MATH

CREDIT: 1

PREREQUISITE: ALGEBRA II

GRADE: 12

This course is a 4th year senior level math course designed for students who need to refresh core mathematics skills prior to further study. It is recommended that students who have scored less than a 19 on their ACT assessment (or equivalent assessment) take this course to be better prepared for post secondary study.

SCIENCE**COURSE TITLE: PHYSICAL SCIENCE**

CREDIT: 1

PREREQUISITE: NONE

GRADES: 10

The goal of Physical Science is to develop an understanding of matter and energy. The course is designed to introduce students to the concepts of forces and motion, chemical and physical properties of matter, the ways in which matter and energy interact, the forms and properties of energy, and other basic concepts in chemistry and physics. Some of our fun and exciting labs are to build rockets and derby cars, to do the egg drop from the football stadium, and turn pennies from copper to silver and then gold.

**COURSE TITLE: BIOLOGY I
HONORS BIOLOGY I**

CREDIT: 1

CREDIT: 1

PREREQUISITE: NONE FOR BIOLOGY I
TEACHER RECOMMENDATION* FOR HONORS BIOLOGY I

GRADES: 9

The purpose of this course is to provide classroom and laboratory experiences including many hands-on and real-world applications of the biological sciences. The concepts covered include the Nature of Science (inquiry skills, experimental design, lab safety, measurement and tools), Cells (biomolecules, cell structure and function, cellular reproduction and membrane transport), Interdependence (organization of ecosystems, human impact on the environment, and succession), Flow of Matter and Energy (energy transfer in ecosystems, biogeochemical cycles, photosynthesis and cellular respiration), Heredity and Molecular Genetics (predicting inheritance patterns, mutations, genetic diseases, and ethical considerations related to emerging biotechnologies), and Biodiversity and Change (taxonomy, evolutionary theory, adaptations, and evidence for evolution). The goal of honors biology I is to develop an understanding of the diversity and unity in living things. Concepts covered include interactions of organisms with their environment, chemical structure of organisms, transfer of energy in organisms, cell structure and function, continuity and change in living things, diversity of living things, and biology related career opportunities. Honors biology places increased emphasis on development of critical thinking skills. This course is designed to meet the needs of the more academically able student. *Student selection is based upon a combination of standardized test scores, past performance in science, teacher recommendations, and established enrollment limits.

COURSE TITLE: HONORS BIOLOGY II

CREDIT: 1

PREREQUISITE: CHEMISTRY I OR HONORS BIOLOGY I WITH A "B" OR HIGHER GRADES: 10, 11, 12

The purpose of this course is to provide classroom and laboratory experiences including many hands-on and real-world applications of the biological sciences. The concepts covered include the Nature of Science (inquiry skills, experimental design, lab safety, measurement and tools), Cells (biomolecules, cell structure and function, cellular reproduction and membrane transport), Interdependence (organization of ecosystems, human impact on the environment, and succession), Flow of Matter and Energy (energy transfer in an ecosystem, biogeochemical cycles, photosynthesis and cellular respiration), Heredity and Molecular Genetics (Mendelian principles, predicting inheritance patterns, mutations, genetic disease, and ethical considerations related to emerging biotechnologies), and Biodiversity and Change (taxonomy, evolutionary theory, adaptations, and evidence for evolution). This class moves at an accelerated pace and requires higher level reading skills and includes more extensive written assignments. Student selection is based upon a combination of past performance in science, teacher recommendations, and established enrollment limits for the course.

COURSE TITLE: ADVANCED PLACEMENT BIOLOGY

CREDIT: 1

PREREQUISITE: CHEMISTRY I or BIOLOGY WITH "B" OR HIGHER GRADES: 11, 12

Advanced Placement Biology follows the syllabus of the College Entrance Examination Board's Advanced Placement Program. The current syllabus includes the areas of molecular and cellular biology, genetics and evolution, and organismal and population biology. The AP Biology curriculum is designed to prepare students to take the College Board AP Biology test given in May of each year and for higher level work in college biology. Student selection is based upon a combination of past performance in science, teacher recommendations, and established enrollment limits for the course.

COURSE TITLE: ANATOMY & PHYSIOLOGY

CREDIT: 1

PREREQUISITE: BIOLOGY I/CHEMISTRY I GRADES: 11, 12

This course is a study of the body's structures and respective functions at the molecular/biochemical, cellular, tissue, organ systemic, and organism levels. Students explore the body through laboratory investigations, models, diagrams, and/or comparative studies of the anatomy of other organisms. Content includes the study of the structure and function of cells, tissues, organs and body systems.

COURSE TITLE: ECOLOGY

CREDIT: 1

PREREQUISITE: BIOLOGY I AND ONE OTHER SCIENCE COURSE (CP OR HONORS LEVEL) GRADES: 11, 12

This course will review major ecological concepts, identify the techniques used by ecologists, provide an overview of local and global environmental issues, and examine individual, group and governmental activities important for protecting natural ecosystems. The course will cover current events and how those events affect our Earth. Student understanding and the ability to discuss environmental issues will be emphasized.

COURSE TITLE: ENVIROMENTAL CHEMISTRY

CREDIT: 1

PREREQUISITE: ALGEBRA I GRADES: 10, 11, 12

This one-unit course outlines the role that chemistry plays in the student's personal, community and global environment. Using student-centered activities, both in the laboratory and in the field, chemistry is learned through current problems and everyday real-life issues. Major topics that will be included in this course are water needs and uses, air and climate, chemical resources, petroleum products and uses, food and health, and nuclear energy. This is an activity oriented approach to chemistry with less emphasis placed on math problems and more emphasis placed on student problem-solving and group decision-making processes. (Prerequisite: Algebra I)

**COURSE TITLE: CHEMISTRY I CP
CHEMISTRY I HONORS**

CREDIT: 1

CREDIT: 1

PREREQUISITE: ALGEBRA I/BIOLOGY I OR HONORS BIOLOGY I

GRADES: 10, 11, 12

Chemistry is the study of the composition, structure, and properties of matter and the changes it undergoes. The goal of Chemistry I is to develop an understanding of the relevance of chemistry as it relates to standards of living and the current issues in science and technology. The course content is reinforced and enhanced by laboratory practice and hands-on experience. Chemistry I is an interactive, exciting course in which students will not only be challenged to think critically but also gain knowledge of the world around them. Honors Chemistry is designed to meet the needs and interests of the more academically able student in highly relevant, interesting and fun ways. The course will include an introductory study of nuclear and organic chemistry.

**COURSE TITLE: HONORS CHEMISTRY II
AP CHEMISTRY**

CREDIT: 1

CREDIT: 1

PREREQUISITE: Chemistry I , Algebra I and II, current enrollment
in advanced math strongly suggested.

GRADES: 11, 12

Honors Chemistry II/AP Chemistry is established and audited by the College Board's Advanced Placement Chemistry Program. Block scheduling divides this accelerated course into Honors Chemistry II in the Fall, followed by AP Chemistry in the Spring. The course is intended for highly motivated students with an interest in the physical sciences and provides college level inquiry lab experiences, higher order interactive lectures and group problem solving opportunities applied to real world scenarios. Enrichment opportunities are also provided through guest lecturers from local university and Oak Ridge National Lab research professionals. With the ever-increasing need for innovators, problem finders, and designers of materials, pharmaceuticals, and even new fuels, comes the need for individuals skilled in the science practices and knowledgeable about chemistry. The redesigned Advanced Placement (AP) Chemistry course provides students with training for such knowledge and skills through guided inquiry labs, a content focused curriculum on content relevant to today's problems, and an exam that assesses students' understanding of the particulate nature of matter to understand chemistry. The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. This course is taken with the expectation that students will take the AP Exam to receive college credit or placement at the student's college of choice. Course topics include thermodynamics, kinetics, electrochemistry, gases, bonding, atomic structure and periodicity, bonding and intermolecular forces, organic chemistry, equilibria and acid base equilibria applications.

COURSE TITLE: WILDLIFE PRINCIPALS

CREDIT: 1

PREREQUISITE: Biology I AND Physical Science or Chemistry I ,

GRADES: 11, 12

A one-unit course in which students apply scientific principles to solve problems. Students will be faced with decision making in which they must choose the best alternative from several workable possibilities. Living and dead animals are used within this course. This course does not meet NCAA eligibility requirements as the third science credit for athletic eligibility for college participation. This course counts as an elective and not a science credit. (Prerequisites: Completion of Biology and Physical Science or Chemistry)

COURSE TITLE: AP ENVIROMENTAL SCIENCE

CREDIT: 1

PREREQUISITE: Biology I AND Chemistry I ,

GRADES: 11, 12

A first-year college level environment science course which follows the syllabus of the College Board's Advanced Placement (AP) Program. The AP Environmental Science course is designed to prepare students to take the College Board AP Environmental Science test given in May of each year. The course has been audited and approved by the College Board. The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students may be required to complete a summer assignment and/or attend additional classroom or laboratory sessions beyond the regularly scheduled classes. (Prerequisites: Biology I and Chemistry I)

COURSE TITLE: MARINE ECOLOGY

CREDIT: 1

PREREQUISITE: BIOLOGY I AND Chemistry I ,

GRADES: 11, 12

In this CP level course, activities are designed to promote higher level thinking skills through inquiry and to simulate marine environmental conditions and research methods. Environmental issues are used to develop critical thinking skills that will equip students to make ethical decisions regarding humans and the marine environment. The course incorporates the use of lab, group and limited field activities, computer technology, and saltwater aquaria. (Prerequisites: Biology I and Chemistry I)

COURSE TITLE: MICROBIOLOGY

CREDIT: 1

PREREQUISITE: BIOLOGY I AND Chemistry I

GRADES: 11, 12

This course examines the role of microbes in everyday life. Major topics covered include microbial cell biology, microbial genetics, microorganism's interactions in the environment, and the interactions and impact of microorganisms with humans. (Prerequisites: Biology I and Chemistry I)

COURSE TITLE: PHYSICS

CREDIT: 1

PREREQUISITE: ALGEBRA II, CHEMISTRY I

GRADES: 11, 12

Students will learn about forces and energy with an emphasis on classical mechanics -- the things that control our universe, our world, and our selves. This class should challenge and intrigue the students intellect with demonstrations and laboratory exercises and at the same time help prepare them for life in an increasingly technological society.

COURSE TITLE: HONORS PHYSICS

CREDIT: 1

PREREQUISITE: ALGEBRA II AND CHEMISTRY I WITH NO GRADE LESS THAN B
ENROLLMENT IN ADVANCED MATH OR CALCULUS

GRADES: 11, 12

Honors physics is the study of the principles of motion and the interrelationships between matter and energy. Topics of study include kinematics, forces, energy, momentum, waves, electricity and magnetism, etc. This honors course is designed to meet the needs of the student who prefers academic challenge and the topics are covered in greater depth and at a greater pace. Student selection is based upon a combination of past performance in science and mathematics, teacher recommendations, and established enrollment limits for the course.

COURSE TITLE: AP PHYSICS C: MECHANICS

CREDIT: 1

PREREQUISITE: PHYSICS OR HONORS PHYSICS
ENROLLMENT IN CALCULUS

GRADES: 11, 12

Advanced Placement Physics is a course which follows the syllabus of the College Entrance Examination Board's Advanced Placement Program. It is meant to be equivalent to a first year calculus-based course in mechanics typical of most colleges. The curriculum is designed to prepare students to take the AP Physics C: Mechanics exam. Topics include: kinematics, dynamics, energy, momentum, systems, rotation, and equilibrium, etc. Student selection is based upon a combination of past performance in science and mathematics, teacher recommendations, and established enrollment limits for the course.

COURSE TITLE: SCIENTIFIC RESEARCH

CREDIT: 1

PREREQUISITES: NONE

GRADES: 11, 12

This is a course in which the student conducts an in-depth research project and presents his or her findings using a variety of media at local, district, regional, state and/ or national competitions and/or presentations. Two major components of the course are: 1) a technical report including sections for literature search, design, procedures, analysis of data, experimental results, conclusions, and future directions; and 2) an audio-visual presentation that is appropriate to the nature of the research and the type of audience. Research may be conducted on or off school site. Teacher recommendation required.

PHYSICAL EDUCATION

NOTE: One unit in Lifetime Wellness is required for graduation and will be offered to 9th graders. One-half credit in Physical Education is required for graduation (beginning with the Class of 2013).

COURSE TITLE: LIFETIME WELLNESS CREDIT: 1

PREREQUISITE: NONE GRADE: 9

The one-unit course in Lifetime Wellness is required for graduation. This course explores a lifelong process of positive lifestyle management that seeks to integrate the emotional, social, intellectual, and physical dimensions of self for a longer, more productive, and higher quality of life. The unit consists of the following strands: personal fitness and related skills, mental health, disease prevention and control, safety and first aid, sexuality and family life, substance abuse, and nutrition.

**COURSE TITLE: PHYSICAL EDUCATION I
TEAM/INDIVIDUAL SPORTS** CREDIT: 1

PREREQUISITE: NONE GRADE: 9

Physical Education I is an **elective course** that involves achieving a level of health related fitness through participation in team and individual sports. Activities included are: soccer, volleyball, football, fistball, kickball, brisketball, ultimate frisbee, team handball, softball, basketball, track and field. Activities are designed to teach the basic skills, rules, and strategies necessary to understand and participate in selected sports.

**COURSE TITLE: ADVANCED PHYSICAL EDUCATION,
TEAM/INDIVIDUAL SPORTS, WEIGHT TRAINING, AND
AEROBICS AND FITNESS** CREDIT: 1

PREREQUISITE: PHYSICAL EDUCATION I GRADES: 10, 11, 12

Advanced Physical Education is an **elective course**. It includes weight-training and aerobics and fitness which promote a high level of health-related fitness skills. In Team Sports II, skills and techniques taught in Team Sports I are expanded to allow students to become more proficient in various sports.

COURSE TITLE: CONDITIONING AND ADVANCED STRENGTH TRAINING CREDIT: 1

PREREQUISITE: NONE GRADES: 10, 11, 12

The purpose of this course is for the student to make strength and conditioning gains while developing self-discipline and a positive attitude. Health and skill related activities will be emphasized. Those include flexibility, speed, agility, coordination and power. In addition, the importance of proper nutrition will be stressed. The student who signs up for this course should be self-motivated and have a strong work ethic.

*NOTE: PE I, PE II, and Strength Training can ONLY be taken ONCE each during the 4 years.

NAVY JROTC (JUNIOR RESERVE OFFICERS TRAINING CORPS)

COURSE TITLE: NAVY JROTC I CREDIT: 1

PREREQUISITE: NONE GRADES: 9, 10, 11, 12

Navy JROTC is a program provided jointly by the Knox County School System and the United States Department of Defense. The curriculum is designed to help each student achieve the following goals: (1) Develop habits of orderliness, precision, and respect for authority in our society, (2) Instill patriotism, (3) Develop a high degree of personal honor, self-reliance, individual discipline, and leadership, (4) Instill pride, self-respect, confidence, and a desire to do one's best in any endeavor, and (5) Promote a basic understanding of national security requirements and the role of the armed services in the national defense structure. Participation in NJROTC does not require entering the military. There is no obligation to the military. NJROTC is a citizenship program. Naval Science is an academically challenging, as well as rewarding, course. All Cadets must maintain a "C" average or better in NJROTC with an overall average of

"C" or better. Students begin as a Naval Science I (NSI) cadet and progress through advanced naval science courses NSII, NSIII, and NSIV. Students who do not meet GPA criteria will be considered on a case-by-case basis and must be approved by the Senior Naval Science Instructor before enrolling or re-enrolling in NJROTC. Students may take one or as many as eight terms of NJROTC during their high school career, earning a separate credit for each term successfully completed. Students are required to wear furnished uniforms a minimum of one time per week throughout the entire school day and fully participate in all physical fitness activities including situps, pushups, running, interschool and intramural sports competitions. Cadets will be given the opportunity to participate in national academic competitions and local, regional, and national drill team, color guard, and rifle competitions. Cadets must maintain proper military grooming standards while participating in NJROTC.

COURSE TITLE: NAVY JROTC/NAVAL SCIENCE II CREDIT: 1

PREREQUISITE: COMPLETION OF NAVAL SCIENCE I WITH A "C" AVERAGE GRADES: 10, 11, 12

Designed as a follow-up course to Naval Science One, Naval Science Two expands on the basics of leadership and Naval Orientation. The course emphasizes government, shipboard organization, naval weapons, small boat seamanship, navigation, and weather. Students are required to wear a furnished uniform on a weekly basis and participate in physical fitness training. Students are also eligible to participate in local, regional, and national academic, drill and rifle team competitions.

COURSE TITLE: NAVY JROTC/NAVAL SCIENCE III CREDIT: 1

PREREQUISITE: COMPLETION OF NAVAL SCIENCE II WITH A "C" AVERAGE GRADES: 11, 12

Designed as a follow-up course to Naval Science Two, Naval Science Three expands on the basics of leadership. The course emphasizes military justice, international law, national security, naval intelligence, naval operations and intelligence. Students are required to wear a furnished uniform on a weekly basis and participate in physical fitness training. Students are also eligible to participate in local, regional, and national academic, drill and rifle team competitions.

COURSE TITLE: NAVY JROTC/NAVAL SCIENCE IV CREDIT: 1

PREREQUISITE: COMPLETION OF NAVAL SCIENCE III WITH A "C" AVERAGE. GRADE: 12

Designed as a leadership class, students explore advanced leadership and management theory. There is an extensive review of proven leadership styles and techniques. Students are placed in challenging leadership positions to gain valuable insights into future leadership expectations. Students are required to wear a furnished uniform on a weekly basis and participate in physical fitness training. Students are also eligible to participate in local, regional, and national academic, drill and rifle team competitions.

KCS – HUMAN SERVICES

COURSE TITLE: DYNAMICS OF LEADERSHIP I CREDIT: 1

PREREQUISITE: APPLICATION PROCESS GRADES: 11-12

Dynamics of Leadership I is a one-unit elective course designed to teach students leadership skills, parliamentary procedure, problem solving/decision-making techniques, communication skills, group dynamics, time and stress management, public speaking, human relations, team building, project planning, and other group processes. Year-long 7:00 a.m. class.

COURSE TITLE: DYNAMICS OF LEADERSHIP II CREDIT: 1

PREREQUISITE: APPLICATION PROCESS GRADES: 11-12

A one-unit elective course designed to afford students the opportunity to apply leadership skills learned in Dynamics of Leadership I. Students will be required to plan, teach, and facilitate units of study as well as complete a portfolio and research paper. A fee will be charged for participation in this course. (Prerequisites: Application process, teacher recommendation, and administrative recommendation)

COURSE TITLE: PEER TUTORING CREDIT: 1

PREREQUISITE: APPLICATION PROCESS GRADES: 11-12

A course designed for students who desire to help give academic and social support to fellow students. Students may earn multiple credits by working in the CDC-A classes or the learning center.

COURSE TITLE: LEARNING CENTER CREDIT: 1

PREREQUISITE: APPLICATION PROCESS GRADES: 11-12

This course is an academic intervention for students which provides them with additional time during the school day to focus on academic work in a supervised yet independent environment. Peer tutors are available to assist in multiple subject areas.

ADDITIONAL OFFERINGS

COURSE TITLE: WORK BASED LEARNING (WBL) CREDIT: 1 - 2

PREREQUISITE: APPLICATION PROCESS GRADES: 11-12

This course is a proactive approach to bridging the gap between high school and high-demand, high-skill careers in Tennessee. Students build on classroom-based instruction to develop employability skills that prepare them for success in postsecondary education and future careers. Through experiences like internships, apprenticeships, and paid work experience, juniors and seniors (16 years or older) may earn high school credit for capstone WBL experiences. WBL Coordinators are educators who are trained and certified by the state to coordinate these WBL experiences for students. **Credit Students can earn up to 2 credits during their Junior year and an additional 2 their senior year.**

COURSE TITLE: AP GUIDED STUDY HALL CREDIT: 1 - 2

PREREQUISITE: THREE OR MORE WEIGHTED CLASSED FOR THE YEAR GRADES: 11-12

This course is designed to give students an opportunity for instructional support and enrichment.

BEARDEN HIGH SCHOOL CTE ELECTIVE FOCUS AREAS

DIETETICS AND NUTRITION

COURSE TITLE: INTRO. TO HUMAN STUDIES CREDIT: 1

PREREQUISITE: NONE GRADES: 9

This course is a foundational course for students interested in becoming a public advocate, social worker, dietician, nutritionist, counselor, or community volunteer. Upon completion of this course, a proficient student will have an understanding of human needs, overview of social services, career investigation, mental health, and communication. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. Standards in this course are aligned with Tennessee State Standards for English Language & Literacy in Technical Subjects, as well as the Tennessee State States for Psychology and Sociology, and the National Standards for Family and Consumer Sciences Education, Second Edition.

COURSE TITLE: NUTRITION ACROSS THE LIFESPAN CREDIT: 1

PREREQUISITE: INTRO INTO HUMAN STUDIES GRADES: 10

is for students interested in learning more about becoming a dietitian, nutritionist, counselor, or pursuing a variety of scientific, health, or culinary arts professions. Upon completion of this course, proficient students will understand human anatomy and physiological systems, nutrition requirements, as well as social, cultural, and other impacts on food preparation and integrity. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards for Biology I, Chemistry I, Human Anatomy & Physiology (A&P), and Scientific Research, and the National Standards for Family and Consumer Sciences Education, Second Edition.

COURSE TITLE: NUTRITION SCIENCE / DIET THERAPY CREDIT: 1

PREREQUISITE: NUTRITION ACROSS THE LIFESPAN GRADES: 11

This course is an applied knowledge course in nutrition for students interested in the role of nutrition in health and disease. Upon completion of this course, proficient students will be able to develop a nutrition care plan as part of the overall health care process, use methods for analyzing the nutritional health of a community, and understand the relationship of diet and nutrition to specific diseases. The course places emphasize on the role of diet as a contributor to disease and its role in the prevention and treatment of disease. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. Standards in this course are aligned to Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards for Mathematics, and Tennessee Biology I, Chemistry I, Human Anatomy & Physiology (A&P), and Scientific Research standards, as well as the National Standards for Family and Consumer Sciences Education, Second Edition.

COURSE TITLE: DUAL CREDIT PSYCHOLOGY CREDIT: 1

PREREQUISITE: NONE GRADE: 11, 12

An introduction to theoretical perspectives, psychological terminology, and major theories and theorists.

COURSE TITLE: DUAL ENROLLMENT PSYCHOLOGY CREDIT: 1

PREREQUISITE: 3.0 Unweighted GPA, ACT sub-score of 18 in English and GRADE: 11, 12
19 in reading, SAT/PSAT score of 500 in evidenced based
Reading, MUST SUBMIT APPLICATION.

An introduction to theoretical perspectives, psychological terminology, and major theories and theorists. Classes may be held on Pellissippi State Campus.

SOCIAL HEALTH SERVICES

COURSE TITLE: INTRO. TO HUMAN STUDIES

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9

This course is a foundational course for students interested in becoming a public advocate, social worker, dietician, nutritionist, counselor, or community volunteer. Upon completion of this course, a proficient student will have an understanding of human needs, overview of social services, career investigation, mental health, and communication. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. Standards in this course are aligned with Tennessee State Standards for English Language & Literacy in Technical Subjects, as well as the Tennessee State States for Psychology and Sociology, and the National Standards for Family and Consumer Sciences Education, Second Edition.

COURSE TITLE: LIFESPAN DEVELOPMENT

CREDIT: 1

PREREQUISITE: NONE

GRADES: 10,

builds basic knowledge in human growth and development. Upon completion of the course, proficient students will have knowledge of developmental theory, principles of growth, behavior of children from conception through adolescence, adult development and aging, and death and dying. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. Standards in the course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, as well as Tennessee State Standards in Psychology and Sociology, and National Standards for Family and Consumer Sciences Education, Second Edition..

COURSE TITLE: FAMILY STUDIES

CREDIT: 1

PREREQUISITE: NONE

GRADES: 11

This course is an applied knowledge course that examines the diversity and evolving structure of the modern family. Upon completion of the course, proficient students will have knowledge of the demographic, historical, and social changes of interpersonal relationships, as well as parenting, and the effect of stressors on the family. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. Standards in the course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, as well as Tennessee State Standards for Psychology, Sociology, U.S. Government and Civics, and U.S. History and Geography and the National Standards for Family and Consumer Sciences Education, Second Edition. Credit: 1

COURSE TITLE: DE PSYCHOLOGY

CREDIT: 1

PREREQUISITE: 3.0 Unweighted GPA, ACT sub-score of 18 in English and 19 in reading, SAT/PSAT score of 500 in evidenced based Reading, MUST SUBMIT APPLICATION.

GRADE: 11, 12

This is an introduction to theoretical perspectives, psychological terminology, and major theories and theorists.

AUTOMOTIVE MAINTENANCE & LIGHT REPAIR

COURSE TITLE: MAINTENANCE & LIGHT REPAIR I

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9

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 *Maintenance and Light Repair* courses, students may enter automotive service industry as an ASE Certified MLR Technician. Hours earned in the *Maintenance and Light Repair* courses may be used toward meeting National Automotive Technicians Education Foundation (NATEF) standards and Tennessee Department of Education standards. NATEF requires that 95% of the P-1 tasks, 80% of the P-2 tasks, and 50% of the P-3 tasks will be accomplished. These tasks are notated in these standards.

COURSE TITLE: MAINTENANCE & LIGHT REPAIR II CREDIT: 1

PREREQUISITE: MAINTENANCE & LIGHT REPAIR I GRADES: 10

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 *Maintenance and Light Repair* courses, students may enter automotive service industry as an ASE Certified MLR Technician. Hours earned in the *Maintenance and Light Repair* courses may be used toward meeting National Automotive Technicians Education Foundation (NATEF) standards and Tennessee Department of Education standards. NATEF requires that 95% of the P-1 tasks, 80% of the P-2 tasks, and 50% of the P-3 tasks will be accomplished. These tasks are notated in these standards.

COURSE TITLE: MAINTENANCE & LIGHT REPAIR III CREDIT: 2

PREREQUISITE: MAINTENANCE & LIGHT REPAIR II GRADES: 11

This course prepares students for entry into *Maintenance and Light Repair IV*. Students study and service suspension and steering systems and brake systems. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician. Hours earned in the *Maintenance and Light Repair* courses may be used toward meeting National Automotive Technicians Education Foundation (NATEF) standards and Tennessee Department of Education standards. NATEF requires that 95% of the P-1 tasks, 80% of the P-2 tasks, and 50% of the P-3 tasks will be accomplished. These tasks are notated in these standards.

COURSE TITLE: WORK BASED LEARNING CREDIT: 1-2

PREREQUISITE: COMPLETEION OF 2 CREDITS IN A COURSE OF STUDY GRADES: 11

This course is a proactive approach to bridging the gap between high school and high-demand, high-skill careers in Tennessee. Students build on classroom-based instruction to develop employability skills that prepare them for success in postsecondary education and future careers. Through experiences like internships, apprenticeships, and paid work experience, juniors and seniors (16 years or older) may earn high school credit for capstone WBL experiences. WBL Coordinators are educators who are trained and certified by the state to coordinate these WBL experiences for students.

NURSING SERVICES

COURSE TITLE: HEALTH SCIENCE EDUCATION CREDIT: 1

PREREQUISITE: NONE GRADES: 9, 10, 11

This course is an introduction to broad standards that serve as a foundation for Health Care Occupations and functions across health services. Units included are academics in health care communications systems, legal responsibilities, ethics, teamwork, and safety practices.

COURSE TITLE: MEDICAL THERAPEUTICS CREDIT: 1

PREREQUISITE: HEALTH SCIENCE EDUCATION GRADES: 10, 11, 12

This course provides knowledge and skills to maintain or change to the health status of an individual over time. This could include such careers or career areas as dental, dietetics, medical assistance, home health, nursing, pharmacy, respiratory, social work, nutritionist, physician, psychiatrist, psychologist, veterinarian, gerontology service provider, medical practice owner, attorney for health care. Grade

COURSE TITLE: ANATOMY & PHYSIOLOGY CREDIT: 1

PREREQUISITE: BIOLOGY I/CHEMISTRY I GRADES: 11, 12

This course is a study of the body's structures and respective functions at the molecular/biochemical, cellular, tissue, organ systemic, and organism levels. Students explore the body through laboratory investigations, models, diagrams, and/or comparative studies of the anatomy of other organisms. Content includes the study of the structure and function of cells, tissues, organs and body systems.

COURSE TITLE: NURSING ED CLINICALS (2 BLOCKS)

CREDIT: 1

PREREQUISITE: MEDICAL THERAPEUTICS / ANATOMY & PHYS.

GRADES: 11, 12

This is a capstone course designed to prepare students to pursue careers in the field of nursing. Upon completion of this course, a proficient student will be able to implement communication and interpersonal skills, maintain residents' rights and independence, provide care safely, prevent emergency situations, prevent infection through infection control, and perform the skills required of a nursing assistant. At the conclusion of this course, if students have logged 40 hours of classroom instruction and 20 hours of classroom clinical instruction, and if they have completed 40 hours of site-based clinical with at least 24 of those hours spent in a long-term care facility, then they are eligible to take the certification examination as a Certified Nursing Assistant (CNA). Students must be at least 16 years old to be enrolled in this course and able to provide their own transportation to and from clinical sites.

THERAPEUTIC SERVICES**COURSE TITLE: HEALTH SCIENCE EDUCATION**

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9, 10, 11

This course is an introduction to broad standards that serve as a foundation for Health Care Occupations and functions across health services. Units included are academics in health care communications systems, legal responsibilities, ethics, teamwork, and safety practices.

COURSE TITLE: MEDICAL THERAPEUTICS

CREDIT: 1

PREREQUISITE: HEALTH SCIENCE EDUCATION

GRADES: 10, 11, 12

This course provides knowledge and skills to maintain or change to the health status of an individual over time. This could include such careers or career areas as dental, dietetics, medical assistance, home health, nursing, pharmacy, respiratory, social work, nutritionist, physician, psychiatrist, psychologist, veterinarian, gerontology service provider, medical practice owner, attorney for health care. Grade

COURSE TITLE: NUTRITION SCIENCE / DIET THERAPY

CREDIT: 1

PREREQUISITE: NUTRITION ACROSS THE LIFESPAN

GRADES: 11

This course is an applied knowledge course in nutrition for students interested in the role of nutrition in health and disease. Upon completion of this course, proficient students will be able to develop a nutrition care plan as part of the overall health care process, use methods for analyzing the nutritional health of a community, and understand the relationship of diet and nutrition to specific diseases. The course places emphasis on the role of diet as a contributor to disease and its role in the prevention and treatment of disease. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. Standards in this course are aligned to Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards for Mathematics, and Tennessee Biology I, Chemistry I, Human Anatomy & Physiology (A&P), and Scientific Research standards, as well as the National Standards for Family and Consumer Sciences Education, Second Edition.

COURSE TITLE: REHABILITATION CAREERS

CREDIT: 1

PREREQUISITE: HEALTH SCIENCE EDUCATION

GRADES: 10, 11, 12

This course will focus on enabling the person to live to the fullest capacity possible. Units will include sports medicine, physical therapy, occupational therapy, speech / language therapy, art, music, dance therapy, and others.

COURSE TITLE: NUTRITION SCIENCE / DIET THERAPY

CREDIT: 1

PREREQUISITE: NUTRITION ACROSS THE LIFESPAN

GRADES: 11

This course is an applied knowledge course in nutrition for students interested in the role of nutrition in health and disease. Upon completion of this course, proficient students will be able to develop a nutrition care plan as part of the overall health care process, use methods for analyzing the nutritional health of a community, and understand the relationship of diet and nutrition to specific diseases. The course places emphasis on the role of diet as a contributor to disease and its role in the prevention and treatment of disease. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. Standards in this course are aligned to Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards for Mathematics, and Tennessee Biology I, Chemistry I, Human Anatomy & Physiology (A&P), and Scientific Research standards, as well as the National Standards for Family and Consumer Sciences Education, Second Edition.

COURSE TITLE: PHARMACOLOGICAL SCIENCES

CREDIT: 1

PREREQUISITE: HEALTH SCIENCE EDUCATION AND CHEMISTRY

GRADES: 11, 12

This is a third-level applied course in the *Therapeutic Clinical Services* program of study intended to prepare students with an understanding of the roles and responsibilities of the healthcare worker in a pharmacy setting. This course equips students with the communication, goal- setting, and information-processing skills to be successful in the workplace, in addition to covering key topics in pharmacology, pharmacy law and regulations, sterile and non-sterile compounding, medication safety, quality assurance, and more. Upon completion of this course, proficient students who have also completed a *Clinical Internship* can apply to sit for the Pharmacy Technician Certification Board examination immediately after high school graduation. 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 state standards in Anatomy and Physiology.

COURSE TITLE: ANATOMY & PHYSIOLOGY

CREDIT: 1

PREREQUISITE: BIOLOGY I/CHEMISTRY I

GRADES: 11, 12

This course is a study of the body's structures and respective functions at the molecular/biochemical, cellular, tissue, organ systemic, and organism levels. Students explore the body through laboratory investigations, models, diagrams, and/or comparative studies of the anatomy of other organisms. Content includes the study of the structure and function of cells, tissues, organs and body systems.

COURSE TITLE: NURSING ED CLINICALS (2 BLOCKS)

CREDIT: 1

PREREQUISITE: MEDICAL THERAPEUTICS / ANATOMY & PHYS.

GRADES: 11, 12

This is a capstone course designed to prepare students to pursue careers in the field of nursing. Upon completion of this course, a proficient student will be able to implement communication and interpersonal skills, maintain residents' rights and independence, provide care safely, prevent emergency situations, prevent infection through infection control, and perform the skills required of a nursing assistant. At the conclusion of this course, if students have logged 40 hours of classroom instruction and 20 hours of classroom clinical instruction, and if they have completed 40 hours of site- based clinical with at least 24 of those hours spent in a long-term care facility, then they are eligible to take the certification examination as a Certified Nursing Assistant (CNA). Students must be at least 16 years old to be enrolled in this course and able to provide their own transportation to and from clinical sites

WEB DESIGN

COURSE TITLE: COMP. SCIENCE FOUNDATIONS

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9, 10

Computer Science Foundations (CSF) is a course intended to provide students with exposure to various information technology occupations and pathways such as Networking Systems, Programming and Software Development (Coding), Web Design, and Cybersecurity. As a result, students will complete all core standards, as well as standards in two of four 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. Upon completion of the CSF course, students will be prepared to make an informed decision about which Information Technology program of study to pursue

COURSE TITLE: WEB DESIGN FOUNDATIONS

CREDIT: 1

PREREQUISITE: INFO TECHNOLOGY FOUNDATIONS, ALG. I, &
GEOMETRY

GRADES: 11, 12

This course, is designed as the first level of Web Design, will teach students workplace and leadership skills for advancement into the Web Design Application course. Keying, layout and design skills are essential. Students will develop Internet research techniques for business; acquire navigation mapping skills; effectively use a Web site; study fundamental concepts of digital commerce transaction security; examine related social, legal and ethical issues; study electronic financial management practices, and integrate the elements of Web Design. Web Design Essentials focuses on the language, structure, and essential concepts and principles of page layout and design and the ethics related to the production of Internet presentations. Typography layout, and design guidelines will be applied in the design of Web pages. Upon completion of the course, a student will be able to evaluate, implement and apply the use of technology in Digital commerce and Web Page Design for business. Adobe Web Standard Software.

COURSE TITLE: WEBSITE DEVELOPMENT

CREDIT: 1

PREREQUISITE: WEB DESIGN FOUNDATIONS

GRADES: 11, 12

This builds on the skills and knowledge gained in Web Design Foundations to further prepare students for success in the web design and development fields. Emphasis is placed on applying the design process toward projects of increasing sophistication, culminating in the production of a functional, static website. As students work toward this goal, they acquire key skills in coding, project management, basic troubleshooting and validation, and content development and analysis. Artifacts of the work completed in this course will be logged in a student portfolio demonstrating mastery of skills and knowledge. Upon completion of this course, proficient students will be prepared to pursue a variety of postsecondary programs in the computer sciences, sit for industry certification, or apply their skills in a capstone Web Design Practicum.

COURSE TITLE: WEBSITE PRACTICUM

CREDIT: 1

PREREQUISITE: WEB DESIGN DEVELOPMENT

GRADES: 11, 12

This is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Web Design courses toward the completion of an in-depth project with fellow team members. Students who have progressed to this level in the Web Design program of study take on more responsibilities for producing independent work and managing processes involved in the planning, designing, refinement, and launch of a website. In addition to developing an understanding of the professional and ethical issues encountered by web design professionals in the workplace, students learn to refine their skills in problem solving, troubleshooting, teamwork, marketing and analytics, and project management. Upon completion of the practicum, proficient students will be prepared for postsecondary study and career advancement in web design.

COURSE TITLE: AP COMPUTER SCIENCE PRINCIPALS CREDIT: 1

PREREQUISITE: COMPLETEION OF 2 CREDITS IN A COURSE OF STUDY GRADES: 11, 12
TEACHER RECOMMENDATION

AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career.

CYBER SECURITY

COURSE TITLE: COMP. SCIENCE FOUNDATIONS CREDIT: 1

PREREQUISITE: NONE GRADES: 9, 10

Computer Science Foundations (CSF) is a course intended to provide students with exposure to various information technology occupations and pathways such as Networking Systems, Programming and Software Development (Coding), Web Design, and Cybersecurity. As a result, students will complete all core standards, as well as standards in two of four 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. Upon completion of the CSF course, students will be prepared to make an informed decision about which Information Technology program of study to pursue

COURSE TITLE: CYBER SECURITY I CREDIT: 1

PREREQUISITE: ALG. I, COMPUTER SCI. FOUNDATIONS GRADES: 10

Cybersecurity I is a course intended to teach students the basic concepts of cybersecurity. The course places an emphasis on security integration, application of cybersecurity practices and devices, ethics, and best practices management. The fundamental skills in this course cover both in house and external threats to network security and design, how to enforce network level security policies, and how to safeguard an organization's information. Upon completion of this course, proficient students will be demonstrate and understanding of cybersecurity concepts, identify fundamental principles of networking systems, understand network infrastructure and network security, and be able to demonstrate how to implement various aspects of security within a networking system

COURSE TITLE: CYBER SECURITY II CREDIT: 1

PREREQUISITE: CYBER SECURITY I GRADES: 11

Cybersecurity II challenges students to develop advanced skills in concepts and terminology of cybersecurity. This course builds on previous concepts introduced in Cybersecurity I while expanding the content to include malware threats, cryptography, wireless technologies and organizational security. Upon completion of this course, proficient students will be demonstrate and understanding of cybersecurity ethical decisions, malware threats, how to detect vulnerabilities, principles of cryptology, security techniques, contingency plan techniques, security analysis, risk management techniques, and advanced methods of cybersecurity .

COURSE TITLE: CYBER SECURITY PRACTICUM CREDIT: 1

PREREQUISITE: CYBER SECURITY II GRADES: 11-12

Cybersecurity Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Cybersecurity courses toward the completion of an in-depth project with fellow team members. Students who have progressed to this level in the program of study take on more responsibilities for producing independent work and managing processes involved in the planning, designing, refinement, and production of cybersecurity applications. Upon completion of the practicum, proficient students will be prepared for postsecondary study and career advancement in cybersecurity, and will be equipped to market their finished product should they choose.

COURSE TITLE: AP COMPUTER SCIENCE PRINCIPALS CREDIT: 1

PREREQUISITE: COMPLETEION OF 2 CREDITS IN A COURSE OF STUDY GRADES: 11, 12
TEACHER RECOMMENDATION

AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career.

ENTREPRENEURSHIP

COURSE TITLE: INTRO INTO BUSINESS AND MARKETING CREDIT: 1

PREREQUISITE: NONE GRADES: 9, 10

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.

COURSE TITLE: MARKETING I CREDIT: 1

PREREQUISITE: NONE GRADES: 10, 11

This course focuses on the study of marketing concepts and their practical applications. Students will examine the risks and challenges that marketers face to establish a competitive edge in the sale of products and services. Topics covered include foundational marketing functions such as promotion, distribution, and selling, as well as coverage of economics fundamentals, international marketing, and career development. Upon completion of this course, proficient students will understand the economic principles, the marketing mix, and product development and selling strategies. 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 state standards in Economics.

COURSE TITLE: ENTREPRENEURSHIP CREDIT: 1

PREREQUISITE: MARKETING AND MANAGEMENT PRINCIPLES I RECOMMENDED GRADE: 11, 12

The course includes enhanced marketing information as it relates to entrepreneurial activities. Subject matter includes introductory entrepreneurial concepts, business plan development, management responsibilities, and legal and ethical issues of business ownership.

COURSE TITLE: VIRTUAL ENTERPRISE INTERNATIONAL CREDIT: 1 - 2

PREREQUISITE: MARKETING 1 RECOMMENDED (APPLICATION REQUIRED) GRADES: 11, 12

A one-two unit credit course for 11-12. This course is a simulated business environment. The Virtual Enterprise International (VE) students will be involved in the actual on the job work experiences, including accounting, personnel administration, management and marketing. The only difference between the VE and an actual business is that no material goods are produced or legal tender exchanged. However, services will be provided. Working in a team, the student will develop and enhance oral and written communication skills through initiative, responsibility, and creativity. The VE experience will weave together several academic disciplines and occupational subjects, thereby overcoming fragmentation of subjects. The course will link learning to application and real-life experiences. The goal is to create a learning environment that integrates school and work place to enhance learning. Laboratory facilities and experiences simulate those found in business and industry. This course is trademarked by the New York City Department of Education.

MARKETING

COURSE TITLE: INTRO INTO BUSINESS AND MARKETING

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9, 10

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.

COURSE TITLE: MARKETING I

CREDIT: 1

PREREQUISITE: NONE

GRADES: 10, 11

This course focuses on the study of marketing concepts and their practical applications. Students will examine the risks and challenges that marketers face to establish a competitive edge in the sale of products and services. Topics covered include foundational marketing functions such as promotion, distribution, and selling, as well as coverage of economics fundamentals, international marketing, and career development. Upon completion of this course, proficient students will understand the economic principles, the marketing mix, and product development and selling strategies. 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 state standards in Economics.

COURSE TITLE: MARKETING II

CREDIT: 1

PREREQUISITE: MARKETING I

GRADES: 11, 12

This course is a study of marketing concepts and principles used in management. Students will examine the challenges, responsibilities, and risks managers face in today's workplace. Subject matter includes finance, business ownership, risk management, marketing information systems, purchasing, promotion, and human resource skills. 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 state standards in Economics. Note for instructors: This course assumes many students are engaged in a work-based learning (WBL) experience such as cooperative education, internships, school-based enterprises, or similar types of worksite experiences with a local partner business. Projects in the course could benefit significantly from the use of resources and data from local businesses. Instructors are encouraged to leverage existing partnerships and to build on advisory committee relationships as they reach out to business owners or managers for authentic scenarios, materials, and other business information from which students could learn

COURSE TITLE: ADVERTISING AND PUBLIC RELATIONS

CREDIT: 1

PREREQUISITE: MARKETING II

GRADES: 11, 12

This is an applied knowledge course focusing on the concepts and strategies associated with promoting products, services, ideas, and events. This course addresses skills essential to the creative side of the industry and explores consumer behavior patterns and motivations for buying. Upon completion of this course, proficient students will be able to demonstrate understanding in fundamental advertising and public relations concepts by creating an electronic portfolio of representative course projects. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, as well as Tennessee Sociology and Psychology standards.

CODING

COURSE TITLE: COMPUTER SCIENCE FOUNDATIONS

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9, 10

Computer Science Foundations (CSF) is a course intended to provide students with exposure to various information technology occupations and pathways such as Networking Systems, Programming and Software Development (Coding), Web Design, and Cybersecurity. As a result, students will complete all core standards, as well as standards in two of four 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. Upon completion of the CSF course, students will be prepared to make an informed decision about which Information Technology program of study to pursue.

COURSE TITLE: CODING I

CREDIT: 1

PREREQUISITE: ALGEBRA I, COMPUTER SCIENCE FOUNDATIONS

GRADE: 10

This course is intended to teach students the basics of computer programming. The course places emphasis on practicing standard programming techniques and learning the logic tools and methods typically used by programmers to create simple computer applications. Upon completion of this course, student proficient in programming and logic can solve problems by planning multistep procedures. They are able to write, analyze, review, and revise programs, converting detailed information from workflow charts and diagrams into coded instructions in a computer language.

COURSE TITLE: CODING II

CREDIT: 1

PREREQUISITE: ALGEBRA I, COMPUTER SCIENCE FOUNDATIONS
AND CODING I

GRADE: 11

This course challenges students to develop advanced skills in problem analysis, construction of algorithms, and computer implementations of algorithms as they work on programming projects of increased complexity. In so doing, they develop key skills of discernment and judgment as they must choose from among many languages, development environments, and strategies for the program life cycle.

COURSE TITLE: MOBILE APP DEVELOPMENT

CREDIT: 1

PREREQUISITE: ALG. I, COMPUTER SCIENCE FOUNDATIONS, CODING I

GRADE: 11, 12

Mobile App Development is a course intended to teach students the basic concepts and skills of mobile app design. The course places an emphasis on the history of mobile technologies, design and development methodologies, code for mobile applications, application lifecycles, APIs, mobile device controls, user interfaces, deployment, publishing for mobile devices, developer tools, and career development. Upon completion of this course, proficient students will be demonstrate and understanding of mobile app development concepts.

COURSE TITLE: AP COMPUTER SCIENCE

CREDIT: 1

PREREQUISITE: COMPLETEION OF 2 CREDITS IN A COURSE OF STUDY
TEACHER RECOMMENDATION

GRADES: 11, 12

This course emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development and is meant to be the equivalent of a first semester course in computer science. It also includes the study of data structures and abstraction. The scope and sequence of this course follows the topics listed in the College Board Advanced Placement course description. Students who study this course will be prepared to take the Advanced Placement Computer Science "A" AP Exam and seek college credit. This course does satisfy the State's four-year math requirement.

COURSE TITLE: DE CODING CREDIT: 1

PREREQUISITE: MUST SUBMIT APPLICATION GRADES: 11, 12

Dual enrollment course offered at Pellissippi State Community College.

COURSE TITLE: CODING PRACTICUM CREDIT: 1

PREREQUISITE: MUST SUBMIT APPLICATION GRADES: 11, 12

Coding Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Programming & Software Development courses toward the completion of an in-depth project with fellow team members. Students who have progressed to this level in the program of study take on more responsibilities for producing independent work and managing processes involved in the planning, designing, refinement, and production of original software applications. The course is designed to allow students to choose their specific application of interest, be it the development of a mobile application (app), an animation package, a game or other educational tool, or any other approved program that requires coding and development skills. Upon completion of the practicum, proficient students will be prepared for postsecondary study and career advancement in programming and software development, and will be equipped to market their finished product should they choose

EXERCISE PHYSIOLOGY

COURSE TITLE: HEALTH SCIENCE EDUCATION CREDIT: 1

PREREQUISITE: NONE GRADES: 9, 10, 11

This course is an introduction to broad standards that serve as a foundation for Health Care Occupations and functions across health services. Units included are academics in health care communications systems, legal responsibilities, ethics, teamwork, and safety practices.

COURSE TITLE: REHABILITATION CAREERS CREDIT: 1

PREREQUISITE: HEALTH SCIENCE EDUCATION GRADES: 10, 11, 12

This course will focus on enabling the person to live to the fullest capacity possible. Units will include sports medicine, physical therapy, occupational therapy, speech / language therapy, art, music, dance therapy, and others.

COURSE TITLE: EXERCISE SCIENCE CREDIT: 1

PREREQUISITE: REHABILITATION CAREERS GRADES: 11, 12

This 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.

COURSE TITLE: ANATOMY & PHYSIOLOGY CREDIT: 1

PREREQUISITE: BIOLOGY I/CHEMISTRY I GRADES: 11, 12

This course is a study of the body's structures and respective functions at the molecular/biochemical, cellular, tissue, organ systemic, and organism levels. Students explore the body through laboratory investigations, models, diagrams, and/or comparative studies of the anatomy of other organisms. Content includes the study of the structure and function of cells, tissues, organs and body systems.

COURSE TITLE: NURSING ED CLINICALS (2 BLOCKS)

CREDIT: 1

PREREQUISITE: MEDICAL THERERAPEUTICS / ANATOMY & PHYS.

GRADES: 11, 12

This is a capstone course designed to prepare students to pursue careers in the field of nursing. Upon completion of this course, a proficient student will be able to implement communication and interpersonal skills, maintain residents' rights and independence, provide care safely, prevent emergency situations, prevent infection through infection control, and perform the skills required of a nursing assistant. At the conclusion of this course, if students have logged 40 hours of classroom instruction and 20 hours of classroom clinical instruction, and if they have completed 40 hours of site- based clinical with at least 24 of those hours spent in a long-term care facility, then they are eligible to take the certification examination as a Certified Nursing Assistant (CNA). Students must be at least 16 years old to be enrolled in this course and able to provide their own transportation to and from clinical sites

EMERGENCY SERVICES**COURSE TITLE: HEALTH SCIENCE EDUCATION**

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9, 10, 11

This course is an introduction to broad standards that serve as a foundation for Health Care Occupations and functions across health services. Units included are academics in health care communications systems, legal responsibilities, ethics, teamwork, and safety practices.

COURSE TITLE: ANATOMY & PHYSIOLOGY

CREDIT: 1

PREREQUISITE: BIOLOGY I/CHEMISTRY I

GRADES: 11, 12

This course is a study of the body's structures and respective functions at the molecular/biochemical, cellular, tissue, organ systemic, and organism levels. Students explore the body through laboratory investigations, models, diagrams, and/or comparative studies of the anatomy of other organisms. Content includes the study of the structure and function of cells, tissues, organs and body systems.

COURSE TITLE: EMERGENCY MEDICAL SERVICES

CREDIT: 1

PREREQUISITE: CAPSTONE COURSE

GRADES: 11, 12

This is a capstone course designed to prepare students to pursue careers in the fields of emergency medicine. Upon completion of this course, proficient students will be able to: identify careers and features of the EMS system; define the importance of workforce safety and wellness; maintain legal and ethical guidelines; correlate anatomy and physiology concepts to the patient with a medical or traumatic injury; and perform EMS skills with a high level of proficiency. If taught with an EMT instructor, students will be given the opportunity to sit for the National Emergency Medical Responder certification. In addition, students will continue to add artifacts to a portfolio, which they will continue to build throughout the program of study. Standards in this course are aligned with National Highway Traffic Safety Administration, National Emergency Medical Services Education Standards, and Tennessee State Standards in English Language Arts & Literacy in Technical *Note: If this course is taught for EMR certification, the program must be approved by the TN Department of Health, Office of Emergency Medical Services. **Students enrolled in this course must be 17 years old before the course concludes.***

FASHION DESIGN**COURSE TITLE: ART I - INTRODUCTION TO ART**

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9, 10, 11, 12

Introduction to Art is a survey course designed to answer the question "What is art?" Students discover the answers to this question through exploration of masterpieces in art history as well as through production of their own work. Studio experiences include drawing, painting, printmaking, and sculpture. The purpose of this course is to broaden each student's knowledge and appreciation of art, to strengthen technical and compositional skills, to develop critical analysis skills, and to prepare them for higher level art courses. Course includes unit tests and a final end of course exam.

COURSE TITLE: FOUNDATIONS OF FASHION DESIGN

CREDIT: 1

PREREQUISITE: VISUAL ART I

GRADES: 10, 11, 12

Foundations of Fashion Design introduces students to the rich history of the fashion industry and the basic design principles that are integral to its operation. This course studies the history of the fashion industry, elements and principles of design, textile history as well as basic clothing and apparel sewing construction.

COURSE TITLE: FASHION DESIGN

CREDIT: 1

PREREQUISITE: FOUNDATIONS OF FASHION DESIGN

GRADES: 10, 11, 12

Fashion Design places special emphasis on apparel manufacturing and merchandising, marketing applications, product and service management and the creation of an original fashion collection. In addition, students will explore trends in fashion design and technology used to produce a variety of fabrics, garments, and accessories.

BUSINESS MANAGMENT**COURSE TITLE: INTRO INTO BUSINESS AND MARKETING**

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9, 10

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.

COURSE TITLE: BUSINESS COMMUNICATIONS

CREDIT: 1

PREREQUISITE: INTRO INTO BUSINESS

GRADES: 9, 10

This is an essential course for students who wish to pursue careers in business and finance, or for those who wish to develop important skillsets related to financial literacy. Whether students aspire to be future business owners or work in finance with other companies, accounting skills are fundamental to success and applicable in many different fields. In this course, proficient Accounting students develop skills to analyze business transactions, journalize, post, and prepare worksheets and financial statements, and apply financial analysis to business processes. Additionally, students receive exposure to the ethical considerations that accounting professionals must face and the standards of practice governing their work, such as the GAAP (generally accepted accounting procedures) standards. Upon completion of this course, proficient students will be prepared to apply their accounting skills in more advanced Business and Finance courses, and ultimately pursue postsecondary training.

COURSE TITLE: ACCOUNTING I

CREDIT: 1

PREREQUISITE: NONE

GRADES: 10, 11

A one-unit course for grades 10-11 which introduces concepts and principles based on a double-entry system of maintaining the electronic and manual financial records of a sole proprietorship, partnership, and corporation. It includes analyzing business transactions, journalizing, posting, and preparing worksheets and financial statements.

COURSE TITLE: BUSINESS MGT

CREDIT: 1

PREREQUISITE: INTRO INTO BUSINESS

GRADES: 11, 12

This course focuses on the development of the planning, organizing, leading, and controlling functions required for the production and delivery of goods and services. This applied knowledge course addresses the management role of utilizing the businesses' resources of employees, equipment, and capital to achieve an organization's goals. Students will participate in a continuing project throughout the course in which, individually or in teams, they will present recommendations to improve an existing business. Local business partnerships are encouraged to provide resources for faculty and students. Upon completion of this course, proficient students will be able to complete a full review of an existing business and offer recommendations for improvement as would a management consultant.

COURSE TITLE: VIRTUAL ENTERPRISE INTERNATIONAL

CREDIT: 1 - 2

PREREQUISITE: MARKETING 1 RECOMMENDED (APPLICATION REQUIRED)

GRADES: 11, 12

A one-two unit credit course for 11-12. This course is a simulated business environment. The Virtual Enterprise International (VE) students will be involved in the actual on the job work experiences, including accounting, personnel administration, management and marketing. The only difference between the VE and an actual business is that no material goods are produced or legal tender exchanged. However, services will be provided. Working in a team, the student will develop and enhance oral and written communication skills through initiative, responsibility, and creativity. The VE experience will weave together several academic disciplines and occupational subjects, thereby overcoming fragmentation of subjects. The course will link learning to application and real-life experiences. The goal is to create a learning environment that integrates school and work place to enhance learning. Laboratory facilities and experiences simulate those found in business and industry. This course is trademarked by the New York City Department of Education.

OFFICE MANAGEMENT**COURSE TITLE: COMPUTER APPLICATIONS**

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9, 10

This course is designed to develop computer technology skills. Students will use a variety of computer software and hardware tools and features of an electronic information network. Students will explore the historical, social, and ethical issues of using computer technology. The students will develop skills that will assist them with efficient production of word processing documents, spreadsheets, databases, and presentations. Students will learn MSOffice Suite-Word, Excel, PowerPoint, and Access as well as the current operating system.

COURSE TITLE: BUSINESS COMMUNICATIONS

CREDIT: 1

PREREQUISITE: INTRO INTO BUSINESS

GRADES: 9, 10

This is an essential course for students who wish to pursue careers in business and finance, or for those who wish to develop important skillsets related to financial literacy. Whether students aspire to be future business owners or work in finance with other companies, accounting skills are fundamental to success and applicable in many different fields. In this course, proficient Accounting students develop skills to analyze business transactions, journalize, post, and prepare worksheets and financial statements, and apply financial analysis to business processes. Additionally, students receive exposure to the ethical considerations that accounting professionals must face and the standards of practice governing their work, such as the GAAP (generally accepted accounting procedures) standards. Upon completion of this course, proficient students will be prepared to apply their accounting skills in more advanced Business and Finance courses, and ultimately pursue postsecondary training.

COURSE TITLE: BUSINESS MGT

CREDIT: 1

PREREQUISITE: INTRO INTO BUSINESS

GRADES: 11, 12

This course focuses on the development of the planning, organizing, leading, and controlling functions required for the production and delivery of goods and services. This applied knowledge course addresses the management role of utilizing the businesses' resources of employees, equipment, and capital to achieve an organization's goals. Students will participate in a continuing project throughout the course in which, individually or in teams, they will present recommendations to improve an existing business. Local business partnerships are encouraged to provide resources for faculty and students. Upon completion of this course, proficient students will be able to complete a full review of an existing business and offer recommendations for improvement as would a management consultant. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards for Mathematics, as well as Tennessee Economic standards.

COURSE TITLE: ADVANCED COMPUTER APPLICATIONS

CREDIT: 1

PREREQUISITE: COMPUTER APPLICATIONS

GRADES: 10, 11, 12

This is a capstone course in which students will learn necessary skills in problem solving using current and emerging integrated technology to include a variety of input technologies in the production of professional quality business documents and presentations. The course focuses on student choice, accountability and performance. 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.

ACCOUNTING**COURSE TITLE: INTRO INTO BUSINESS AND MARKETING**

CREDIT: 1

PREREQUISITE: ACCOUNTING I

GRADES: 9, 10

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.

COURSE TITLE: ACCOUNTING I

CREDIT: 1

PREREQUISITE: NONE

GRADES: 10, 11

A one-unit course for grades 10-11 which introduces concepts and principles based on a double-entry system of maintaining the electronic and manual financial records of a sole proprietorship, partnership, and corporation. It includes analyzing business transactions, journalizing, posting, and preparing worksheets and financial statements.

COURSE TITLE: ACCOUNTING II

CREDIT: 1

PREREQUISITE: ACCOUNTING I

GRADES: 11, 12

A one-unit course for grades 11-12 which offers an advanced study of concepts, principles, and techniques in keeping the electronic and manual financial records of a sole proprietorship, partnership, and corporation. In addition, departmental, management, cost, and not-for-profit accounting systems are explored.

COURSE TITLE: AP STATISTICS

CREDIT: 1

PREREQUISITE: A IN ALGEBRA II / A OR B IN HONORS ALG. 2
COLLEGE PREP ENGLISH OR HIGHER
DEPARTMENTAL RECOMMENDATION

GRADES: 10, 11, 12

Advanced Placement Statistics is a course that involves the study of chance occurrences and the study of statistical methods in handling numerical data. This course follows the College Board outline, whose content covers the introduction to probability, numerical data, random variables, and binomial distributions. It is non-calculus in its orientation. The scope of this course follows the topics listed in the College Board Advance Placement Course Descriptions. This description can be down loaded from the following web site: http://collegeboard.com/student/testing/ap/sub_stats.html. This course may be a valuable background course for students who are going to study business, humanities, or philosophy in college.

COURSE TITLE: DUAL CREDIT STATISTICS

CREDIT: 1

PREREQUISITE: A IN ALGEBRA II
A OR B IN HONORS ALGEBRA II
COLLEGE PREP ENGLISH OR HIGHER
DEPARTMENTAL RECOMMENDATION

GRADES: 10, 11, 12

Dual Credit agreements provide an opportunity for students to earn college credit while enrolled in high school. Only coursework in approved Dual Credit programs will be recorded on the high school transcript. Dual Credit does not require enrollment at the post-secondary institution. Dual Credit requires that students take the high school course from a high school teacher and pass a final exam developed and administered by the post-secondary institution.

TECHNOLOGY**COURSE TITLE: PRINCIPLES OF ENGINEERING AND TECHNOLOGY**

CREDIT: 1

PREREQUISITES: NONE

GRADE: 9

This is an entry-level course in the Engineering STEM cluster. This course covers basic skills required for engineering and technology fields of study. Upon completion of this course, proficient students are able to create design projects using the engineering design process and standard technical sketching and engineering drawing techniques. They will also learn the safe use of tools and machines and will develop the skills to effectively communicate design solutions.

COURSE TITLE: DIGITAL ELECTRONICS

CREDIT: 1

PREREQUISITES: ALGEBRA I

GRADE: 10

This is a course in which students will construct and test fundamental digital logic circuits such as gates, counters, oscillators, and switches. A/D and D/A convertors will be applied to signal processing. Microcontroller programs will be modified and microcontrollers applied to closed-circuit control systems. The course culminates in a group project to create a digital servo control loop. Emphasis is on hands-on activities, real-world equipment, and current technology.

COURSE TITLE: ROBOTICS & AUTOMATED SYSTEMS

CREDIT: 1

PREREQUISITES: DIGITAL ELECTRONICS, ALG. I, GEOMETRY,
PHYSICAL SCIENCE, AND CHEMISTRY or PHYSICS

GRADE: 11

is an applied course for students who wish to explore how robots and automated systems are used in industry Building on the content and critical thinking frameworks of Principles of Engineering and Digital Electronics, this course asks students to follow the engineering design process and apply basic programming skills to complete assignments and projects. Upon completion of this course, proficient students will have an understanding of the historical and current uses of robots and automated systems; programmable circuits, interfacing both inputs and outputs; ethical standards for engineering and technology professions; and testing and maintenance of robots and automated systems.

COURSE TITLE: AP PHYSICS C: MECHANICS

CREDIT: 1

PREREQUISITE: PHYSICS OR HONORS PHYSICS
ENROLLMENT IN CALCULUS

GRADES: 11, 12

Advanced Placement Physics is a course which follows the syllabus of the College Entrance Examination Board's Advanced Placement Program. It is meant to be equivalent to a first year calculus-based course in mechanics typical of most colleges. The curriculum is designed to prepare students to take the AP Physics C: Mechanics exam. Topics include: kinematics, dynamics, energy, momentum, systems, rotation, and equilibrium, etc.

DIAGNOSTIC SERVICES**COURSE TITLE: HEALTH SCIENCE EDUCATION**

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9, 10, 11

This course is an introduction to broad standards that serve as a foundation for Health Care Occupations and functions across health services. Units included are academics in health care communications systems, legal responsibilities, ethics, teamwork, and safety practices.

COURSE TITLE: DIAGNOSTIC MEDICINE

CREDIT: 1

PREREQUISITE: HEALTH SCIENCE EDUCATION

GRADES: 10, 11, 12

Diagnostic Medicine creates a picture of an individual's health status at a single point in time. This could include following careers and career areas: audiologist, cardiology, imaging, medical laboratory, radiography, nuclear medicine, stereotactic radiosurgery, cytotechnology, clinical laboratory technician, pathologists, medical physician, histotechnology.

COURSE TITLE: ANATOMY & PHYSIOLOGY

CREDIT: 1

PREREQUISITE: BIOLOGY I/CHEMISTRY I

GRADES: 11, 12

This course is a study of the body's structures and respective functions at the molecular/biochemical, cellular, tissue, organ systemic, and organism levels. Students explore the body through laboratory investigations, models, diagrams, and/or comparative studies of the anatomy of other organisms. Content includes the study of the structure and function of cells, tissues, organs and body systems.

COURSE TITLE: CARDIOVASCULAR SERVICES

CREDIT: 1

PREREQUISITE: DIAGNOSTIC MEDICINE / ANATOMY & PHYS.

GRADES: 11, 12

This is a capstone course designed to prepare students to pursue careers in the field of nursing. Upon completion of this course, a proficient student will be able to implement communication and interpersonal skills, maintain residents' rights and independence, provide care safely, prevent emergency situations, prevent infection through infection control, and perform the skills required of a nursing assistant. At the conclusion of this course, if students have logged 40 hours of classroom instruction and 20 hours of classroom clinical instruction, and if they have completed 40 hours of site-based clinical with at least 24 of those hours spent in a long-term care facility, then they are eligible to take the certification examination as a Certified Nursing Assistant (CNA). Students must be at least 16 years old to be enrolled in this course and able to provide their own transportation to and from clinical sites

COURSE TITLE: NURSING ED CLINICALS (2 BLOCKS)

CREDIT: 1

PREREQUISITE: COMPLETION OF 2 CREDITS IN A COURSE OF STUDY

GRADES: 11, 12

This is a capstone course designed to prepare students to pursue careers in the field of nursing. Upon completion of this course, a proficient student will be able to implement communication and interpersonal skills, maintain residents' rights and independence, provide care safely, prevent emergency situations, prevent infection through infection control, and perform the skills required of a nursing assistant. At the conclusion of this course, if students have logged 40 hours of classroom instruction and 20 hours of classroom clinical instruction, and if they have completed 40 hours of site-based clinical with at least 24 of those hours spent in a long-term care facility, then they are eligible to take the certification examination as a Certified Nursing Assistant (CNA). Students must be at least 16 years old to be enrolled in this course and able to provide their own transportation to and from clinical sites

BYINGTON-SOLWAY CTE ELECTIVE FOCUS AREAS

WELDING

COURSE TITLE: PRINCIPALS OF MANUFACTURING CREDIT: 1

COREQUISITES: ALG. 1, GEOMETRY, PHYSICAL SCIENCE GRADES: 9

Principals of Manufacturing is 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. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.

COURSE TITLE: WELDING I CREDIT: 1

PREREQUISITE: PRINCIPALS OF MANUFACTURING GRADES: 10

This course is designed to provide students with the skills and knowledge to effectively perform cutting and welding applications used in the advanced manufacturing industry. Proficient students will develop proficiency in fundamental safety practices in welding, interpreting drawings, creating computer aided drawings, identifying and using joint designs, efficiently laying out parts for fabrication, basic shielded metal arc welding (SMAW), mechanical and thermal properties of metals, and quality control. Upon completion of this course, proficient students will understand the requirements to pursue the American Welding Society (AWS) Entry Welder qualification and examination and will be prepared to undertake more advanced welding coursework. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.

COURSE TITLE: WELDING II CREDIT: 1

PREREQUISITE: WELDING I GRADES: 11, 12

This course is designed to provide students with opportunities to effectively perform cutting and welding applications of increasingly complexity used in the advanced manufacturing industry. Proficient students will build on the knowledge and skills of the Welding I course and apply them in novel environments, while learning additional welding techniques not covered in previous courses. Specifically, students will be proficient in (1) fundamental safety practices in welding, (2) gas metal arc welding (GMAW), (3) flux cored arc welding (FCAW), (4) gas tungsten arc welding (GTAW), and (5) quality control methods. Upon completion of the Welding II course, proficient students will be eligible to complete the American Welding Society (AWS) Entry Welder qualification and certification. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.

COURSE TITLE: MANUFACTURING PRACTICUM CREDIT: 1

PREREQUISITE: 2 CREDIT HOURS IN AN ADVANCED MANUFACTURING PROGRAM OF STUDIES GRADES: 11, 12

This is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Advanced Manufacturing courses within a professional, working environment. While continuing to add to their technical skillsets, students in this course assume increasing responsibility for overseeing manufacturing processes and managing complex projects. Specifically, proficient students will be able to work in teams to plan the production of a sophisticated product; develop troubleshooting and problem solving mechanisms to ensure that projects run smoothly; analyze output and compile professional reports; and connect practicum activities to career and postsecondary opportunities. For all projects undertaken in this course, students are expected to follow the focus area in their chosen program of study (Machining Technology, Electromechanical Technology, Mechatronics, or Welding), while also refining skills previously acquired to achieve deeper levels of mastery.

COSMETOLOGY

COURSE TITLE: PRINCIPALS OF COSMETOLOGY CREDIT: 1-2

PREREQUISITE: NONE GRADES: 9

This is the first level of cosmetology, and it prepares students with work-related skills for advancement into the Design Principles of Cosmetology course. Content provides students the opportunity to acquire basic fundamental skills in both theory and practical applications of leadership and interpersonal skill development. Content stresses safety, environmental issues, and protection of the public and designers as integrated with principles of hair design, nail structure, and cosmetic procedures. Laboratory facilities and experiences simulate those found in the cosmetology industry.

COURSE TITLE: DESIGN PRINCIPALS OF COSMETOLOGY CREDIT: 1-2

PREREQUISITE: PRINCIPALS OF COSMETOLOGY GRADES: 10

This is the second level of cosmetology and prepares students for work-related skills and advancement into the Chemistry of Cosmetology course. Content provides students the opportunity to acquire knowledge and skills in both theory and practical application. Advanced knowledge and skills in hair design, nail artistry, and cosmetic applications will be enhanced in a laboratory setting, which duplicates cosmetology industry standards. Upon completion and acquisition of 300 hours, students are eligible to take the Tennessee Board of Cosmetology Shampoo examination for a Tennessee Shampoo Technician License.

COURSE TITLE: CHEMISTRY OF COSMETOLOGY CREDIT: 1

PREREQUISITE: PRINCIPALS OF COSMETOLOGY AND DESIGN PRINCIPALS OF COSMETOLOGY GRADES: 11-12

This is the advanced level of cosmetology, and it prepares students to perform work-related services using chemicals in the cosmetology industry. Content provides students the opportunity to acquire foundation skills in both theory and practical applications. Laboratory facilities and experiences will be used to simulate cosmetology work experiences. Students completing this portion of the course of cosmetology will acquire the necessary hours to transfer to a post-secondary course of study to complete the hours needed to be eligible to take the Tennessee State Board of Cosmetology examination for the Tennessee Cosmetology License. Upon completion and acquisition of 300 hours, students are eligible to take the Tennessee State Board of Cosmetology Shampooing examination for a Shampoo Technician License.

Number of Competencies in Course: - 1 credit - 34 competencies - 2 credits - 40 competencies - 3 credits - 48 competencies -

COURSE TITLE: COSMETOLOGY IV CREDIT: 1

PREREQUISITE: COSMETOLOGY III GRADES: 11, 12

CRIMINAL JUSTICE

COURSE TITLE: PRINCIPALS OF LAW CREDIT: 1

PREREQUISITE: NONE GRADES: 9

This 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.

COURSE TITLE: CRIMINAL JUSTICE I

CREDIT: 1

PREREQUISITE: NONE

GRADES: 10, 11

Criminal Justice I is the first level of study of criminal justice careers. It will prepare students for work-related knowledge and skills for advancement into the second level of criminal justice careers. Course content focuses on areas comprised of the three components of the criminal justice system, the police, courts, and corrections. The course is an overview of the criminal justice system and builds a better understanding of the development of laws and history on the state and federal levels. New technology and career opportunities in criminal justice are an integral part of the course content.

COURSE TITLE: CRIMINAL JUSTICE II

CREDIT: 1

PREREQUISITE: CRIMINAL JUSTICE I

GRADES: 11, 12

Criminal Justice II will offer an in-depth study of criminal justice in which current criminal justice careers 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 judicial, criminal justices.

COURSE TITLE: CRIMINAL JUSTICE III: INVESTIGATION CSI

CREDIT: 1

PREREQUISITE: CRIMINAL JUSTICE I & II

GRADE: 12

Criminal Justice III will provide students with an opportunity to explore the basic processes and principles of forensic science as it relates to criminal investigation. Students will learn the importance of the identification, collection, and processing of evidence and of its contribution to the criminal investigation. Students will learn of the legal responsibilities and challenges which the forensic investigator may encounter from initial response to the court room.

EARLY CHILDHOOD EDUCATION**COURSE TITLE: EARLY CHILDHOOD EDUCATION I**

CREDIT: 1

PREREQUISITE: NONE

GRADES: 9

This is a foundational course in the Human Services career cluster intended to prepare students for careers as childcare providers, nannies, preschool teachers, and more. Course content covers the foundation of childhood development services, careers, provider responsibilities and aptitudes, and fundamentals of child development. Upon completion of this course, students will have created artifacts for inclusion in a course portfolio, which will continue with them throughout the program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards for Biology I, Psychology, and Sociology, as well as the National Standards for Family and Consumer Sciences Education, Second Edition.

COURSE TITLE: EARLY CHILDHOOD EDUCATION II

CREDIT: 1

PREREQUISITE: FUNDAMENTALS OF EDUCATION OR
EARLY CHILDHOOD CAREERS I

GRADES: 10

This is an intermediate course for students interested in learning more about becoming an early childhood teacher, nanny, or childcare provider. This course covers the components of curriculum planning, learning, screening and assessing, special populations, and educational technology. Students will observe educators in action, practice specific skills, and add personal work products to a course portfolio. Upon completion of this course, proficient students will be able to pursue more advanced coursework in the ECEC program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards for Psychology and Sociology, as well as the National Standards for Family and Consumer Sciences Education, Second Edition.

COURSE TITLE: EARLY CHILDHOOD EDUCATION III CREDIT: 1

PREREQUISITE: EARLY CHILDHOOD EDUCATION CAREERS II GRADES: 11

This is an applied-knowledge course for students interested in becoming an early childhood teacher, nanny, or childcare provider. This course covers the components of the learning environment, planning age appropriate activities, using activities for learning, and developing communication skills. If available, students may participate in a work-based learning component of instruction and add work products to a course portfolio. Upon completion of this course, proficient students will be prepared to participate in the capstone ECEC IV course and/or continue their studies at the postsecondary level. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards for Psychology and Sociology, as well as the National Standards for Family and Consumer Sciences Education, Second Edition.

COURSE TITLE: EARLY CHILDHOOD EDUCATION IV CREDIT: 1

PREREQUISITE: EARLY CHILDHOOD EDUCATION CAREERS III GRADES: 11

Early Childhood Education Careers IV (ECEC IV) is capstone course for students who intend to pursue advanced training as an early childhood teacher, nanny, or childcare provider. The course standards cover understanding of the components of professionalism, policies, regulations, and teaching and learning. Students will participate in a work-based learning component of instruction and add work products to a course portfolio. Upon completion of this course, proficient students will be prepared to continue their studies at the postsecondary level.

STRUCTURAL SYSTEMS

COURSE TITLE: FUNDAMENTALS OF CONSTRUCTION CREDIT: 1

PREREQUISITE: NONE GRADES: 9

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. Standards in this course also include an overview of the construction industry and an introduction to building systems and materials. Students will begin compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in their selected program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and the National Center for Construction Education and Research (NCCER) Curriculum.

COURSE TITLE: STRUCTURAL SYSTEMS I (2 BLOCKS) CREDIT: 1

PREREQUISITE: FUNDAMENTALS OF CONSTRUCTION GRADES: 10

Structural Systems I prepares students for careers in residential and commercial carpentry. Upon completion of this course, proficient students will be able to demonstrate knowledge and skill in framing buildings. Students will be able to frame floors, walls, ceilings, roofs, and stairs while safely employing tools and interpreting construction drawings to complete projects. Emphasis is placed on demonstrating proper measurement and application of mathematical concepts. Standards in this course also include principles of the construction industry and business and project management. Students will continue compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in this program of study.

COURSE TITLE: CONSTRUCTION PRACTICUM CREDIT: 1

PREREQUISITE: MINIMUM OF 2 CREDITS IN A CONSTRUCTION PROGRAM OF STUDY GRADES: 12

This a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Architecture & Construction courses within a professional, working environment. In addition to developing an understanding of the professional and ethical issues encountered by tradesmen and contractors in the workplace, students learn to refine their skills in problem solving, communication, teamwork, and project management in the completion of a course- long project. Due to the importance of on-the-job training in the construction industry, a principle aim of the practicum is to assist students with placements where on-the-job training occurs, if available, so they can begin to log hours on a worksite and gain experience prior to entering the job market, such as in pre-apprenticeships. Additionally, students are exposed to the great range of postsecondary opportunities in today's construction fields as well, in order to prepare them to make an informed decision regarding their post-high school plans.

MECHANICAL, ELECTRICAL, AND PLUMBING (MEP) SYSTEMS

COURSE TITLE: FUNDAMENTALS OF CONSTRUCTION CREDIT: 1

PREREQUISITE: NONE GRADES: 9

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. Standards in this course also include an overview of the construction industry and an introduction to building systems and materials. Students will begin compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in their selected program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and the National Center for Construction Education and Research (NCCER) Curriculum.

COURSE TITLE: MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS CREDIT: 1

PREREQUISITE: FUNDAMENTALS OF CONSTRUCTION GRADES: 10

This course prepares students for electrical, plumbing, and HVAC careers by introducing students to the physical principles of these systems and the fundamental skills needed to work with them. Upon completion of this course, proficient students will be able to follow safety procedures and use tools to perform basic operations with electrical circuits, as well as demonstrate understanding in fundamental concepts of electricity theory (i.e. Ohm's Law). Students will be able to apply proper tools and procedures to perform basic operations with plastic piping, including measuring, cutting, and joining pipe. Furthermore, students will be able to apply mathematics concepts to solve HVAC, electrical, and plumbing problems. Standards in this course also include principles of the construction industry and business and project management. Students will continue compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, Tennessee Physical Science Standards, Tennessee Physics Standards, and the National Center for Construction Education and Research (NCCER) Curriculum.

STUDENTS MUST CHOOSE EITHER PLUMBING OR ELECTRICAL SYSTEMS

COURSE TITLE: PLUMBING SYSTEMS CREDIT: 1

PREREQUISITE: MECHANICAL ELECTRICAL PLUMBING SYSTEMS GRADES: 11, 12

This course prepares students for careers in plumbing across a variety of residential and commercial settings. Upon completion of this course, proficient students will be able to implement safety procedures and tools to perform operations with plumbing systems. Students will be able to explain how drain, waste, and vent (DWV) systems, water distribution systems, and plumbing fixtures work and apply proper tools and procedures to perform operations with plumbing piping, including measuring, cutting, joining, supporting, and hanging various types of pipe. Students will read and interpret drawings, specifications, and diagrams to determine materials needed to complete a plumbing project. Standards in this course also introduce basic maintenance and troubleshooting procedures and expand on principles of the construction industry, delving deeper into business and project management. Students will continue compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course is aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and Tennessee State Standards in Chemistry I, Physics, Physical Science, and Environmental Science, as well as the National Center for Construction Education and Research (NCCER) Curriculum.

COURSE TITLE: ELECTRICAL SYSTEMS CREDIT: 1

PREREQUISITE: MECHANICAL ELECTRICAL PLUMBING SYSTEMS GRADES: 11, 12

This course prepares students for careers as electricians across a variety of residential and commercial environments. Upon completion of this course, proficient students will be able to implement safety procedures and tools to perform operations with device boxes, conduit, raceway systems conductors, and cable. Students will read and interpret the National Electrical Code, drawings, specifications, and diagrams to determine materials and procedures needed to complete a project. Students will calculate residential loads to recommend electrical hardware. Standards in this course also introduce basic troubleshooting procedures and power systems, and expand on principles of the construction industry, delving deeper into business and project management. Students will continue compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in this program of study.

COURSE TITLE: CONSTRUCTION PRACTICUM

CREDIT: 1

PREREQUISITE: MINIMUM OF 2 CREDITS IN A CONSTRUCTION PROGRAM OF STUDY

GRADES: 12

This is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Architecture & Construction courses within a professional, working environment. In addition to developing an understanding of the professional and ethical issues encountered by tradesmen and contractors in the workplace, students learn to refine their skills in problem solving, communication, teamwork, and project management in the completion of a course- long project. Due to the importance of on-the-job training in the construction industry, a principle aim of the practicum is to assist students with placements where on-the-job training occurs, if available, so they can begin to log hours on a worksite and gain experience prior to entering the job market, such as in pre-apprenticeships. Additionally, students are exposed to the great range of postsecondary opportunities in today's construction fields as well, in order to prepare them to make an informed decision regarding their post-high school plans.

ELECTROMECHANICAL TECHNOLOGY**COURSE TITLE: PRINCIPALS OF MANUFACTURING**

CREDIT: 1

COREQUISITES: ALG. 1, GEOMETRY, PHYSICAL SCIENCE

GRADES: 9

Principals of Manufacturing is 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. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.

COURSE TITLE: INTRODUCTION TO ELECTROMECHANICAL

CREDIT: 1

PREREQUISITES: PRINCIPALS OF MANUFACTURING

GRADES: 10

COREQUISITES: ALG. 1, GEOMETRY, PHYSICAL SCIENCE

This is a foundational course that introduces students to basic electro- mechanical skills necessary in a manufacturing facility. Topics covered include safety, construction drawings, site layout, hand and power tools, linear and angular measurements, and application of algebraic and geometric principles to construction problems. Upon completion of this course, proficient students will be able to understand, describe, and troubleshoot electromechanical systems. Standards in this course are aligned with Tennessee State Standards in English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.

COURSE TITLE: ADVANCED ELECTROMECHANICAL

CREDIT: 2

PREREQUISITES: ALG. 1, GEOMETRY, PHYSICAL SCIENCE
AND INTRO TO ELECTROMECHANICAL

GRADES: 11

This is designed to provide students with the knowledge and skills to effectively perform basic industrial maintenance procedures in an advanced manufacturing facility. Students in this course develop proficiency in a vast array of electromechanical domains, including: fundamental safety practices in electromechanical technology, shielded metal arc welding (SMAW), basic metal inert gas (MIG) welding, electrical systems, AC and DC motors, calibrating instruments, drive systems, pipe fabrication, hydraulic systems, pumps, digital electronics, programmable logic controllers (PLC), and troubleshooting procedures. Upon completion of this course, proficient students will be prepared to pursue postsecondary electromechanical technology programs and entry-level industrial maintenance technology careers in the advanced manufacturing industry. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.

COURSE TITLE: ADV. ELECTROMECHANICAL PRACTICUM CREDIT: 1

PREREQUISITE: MINIMUM OF 2 CREDITS IN AN ADVANCED MANUFACTURING GRADES: 12
PROGRAM OF STUDY

This Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Advanced Manufacturing courses within a professional, working environment. While continuing to add to their technical skillsets, students in this course assume increasing responsibility for overseeing manufacturing processes and managing complex projects. Specifically, proficient students will be able to work in teams to plan the production of a sophisticated product; develop troubleshooting and problem solving mechanisms to ensure that projects run smoothly; analyze output and compile professional reports; and connect practicum activities to career and postsecondary opportunities. For all projects undertaken in this course, students are expected to follow the focus area in their chosen program of study (Machining Technology, Electromechanical Technology, Mechatronics, or Welding), while also refining skills previously acquired to achieve deeper levels of mastery. Upon completion of the practicum, proficient students will be prepared for postsecondary study and career advancement in their chosen focus area. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.

A/V PRODUCTIONS

COURSE TITLE: A/V PRODUCTION I CREDIT: 1

PREREQUISITES: NONE GRADES: 9

This is a foundational course in the Arts, A/V Technology, & Communications cluster for students interested in A/V (audio/visual) production occupations. Upon completion of this course, proficient students will be able to explain and complete the phases of the production process including pre-production, production, and post-production. Students will establish basic skills in operating cameras, basic audio equipment, and other production equipment. Standards in this course include career exploration, an overview of the history and evolution of A/V production, and legal issues affecting A/V production. In addition, students will begin compiling artifacts for inclusion in a portfolio, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, Tennessee State Standards for Physical World Concepts, Physical Science, Physics, and Visual Art.

COURSE TITLE: JOURNALISM I (AT BHS) CREDIT: 1

PREREQUISITE: TEACHER APPROVAL, APPLICATION GRADES: 10, 11, 12

A one-unit course for students who are proficient in writing skills and have an interest in the production of publications. Curriculum includes the history and elements of journalistic style and the application of journalistic techniques to the development of a publication. Students who wish to take this course must be highly motivated, work well with peers, and be responsible in following through with assignments as the work culminates in a publication. (Prerequisite: students will have to demonstrate ability to write well; students are required to apply for this course; and students are required to receive teacher recommendation.) Publications include electronic media (grades 10 – 12) and yearbook (grades 11 and 12). (Elective credit: may not count as English credit.)

COURSE TITLE: A/V PRODUCTION II CREDIT: 1

PREREQUISITES: A/V PRODUCTION I GRADES: 10

This is the second course in the *A/V Production* program of study intended to prepare students for a careers in audio/visual production. Building on knowledge acquired in *A/V Production I*, this course advances technical skill in utilizing industry equipment related to lighting and audio, and it places special emphasis on the research and technical writing involved in planning productions. Upon completion of this course, proficient students will be able to plan, capture, and edit research-based productions of increasing complexity, individually and through collaboration in teams. In addition to more robust career preparation, standards in this course include an investigation of concerns affecting A/V production businesses, such as ethical and legal issues, technology, funding, and the organization of professional roles in various industries. Students will continue compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards for Physical World Concepts, Physical Science, and Physics.

COURSE TITLE: A/V PRODUCTION III

CREDIT: 1

PREREQUISITES: A/V PRODUCTION II

GRADES: 11, 12

This is an applied-knowledge course intended to prepare students to pursue careers and postsecondary learning in audio/visual production. Students in this course will apply knowledge and skills from previous courses in the program of study to create productions both independently and in teams, with the option of participating in a work-based learning experience for additional credit. Students will use industry equipment and technology to complete all phases of the production process, including planning, coordinating, capturing, editing, and distributing productions. Standards in this course include policies and regulations, independent and collaborative productions, distribution of media, and the production of live events. Students will continue compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in this program of study. Upon completion of this course, proficient students will be prepared for a career in audio/visual production or to transition to a postsecondary program for further study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.

COURSE TITLE: APPLIED ARTS PRACTICUM

CREDIT: 1

PREREQUISITES: TWO CREDITS IN A/V

GRADES: 11, 12

The Applied Arts Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Arts, A/V Technology, & Communications courses within a professional, working environment. In addition to developing an understanding of the professional and ethical issues encountered by professionals in these careers, students learn to refine their skills in problem solving, research, communication, teamwork, and project management through the completion of a course-long project. The course is highly customizable to meet local system needs. Instruction may be delivered through school laboratory training or through workbased learning arrangements such as internships, service learning, and job shadowing. Upon completion of the practicum, proficient students will be prepared to pursue postsecondary study in arts, A/V technology, or communications programs; or seek additional training or employment with the aid of the portfolio, which documents the student's work completed throughout the program of study.

COURSE TITLE: AP LANGUAGE (AT BHS)

CREDIT: 1

PREREQUISITES: NONE

GRADES: 11

This is a course for students who have successfully completed Honors English II or have demonstrated competency in composition and rhetorical skills. The curriculum emphasizes analysis, research, and composition as students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. Students will be expected to think critically and analytically and be able to express themselves effectively. College level outside reading is required. The course is designed to help develop the cognitive and communicative skills necessary to do well on the AP English Language and Composition Test.

FIRE MANAGEMENT**COURSE TITLE: PRINCIPALS OF FIRE AND EMERGENCY SERVICE**

CREDIT: 1

PREREQUISITES: NONE

GRADES: 9

This is the introductory course in the *Fire Management Services* program of study. Students will be introduced to the challenging work of emergency responders in fire management services by learning regulations, health and safety protocol, communications, and operations. Upon completion of this course, if the teacher is a member of the local volunteer fire department, proficient students who are at least 16 years of age (T.C.A. 4-24-112) for minimum training of firefighters. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects.

COURSE TITLE: FIRE PREVENTION

CREDIT: 1

PREREQUISITES: PRINCIPALS OF FIRE AND EMERGENCY SERVICE

GRADES: 10, 11

This is the second course in the *Fire Management Services* program of study. This is a new course and a detailed description will be provided when available.

COURSE TITLE: FIRE SCIENCE I

CREDIT: 1

PREREQUISITES: PRINCIPALS OF FIRE AND EMERGENCY SERVICES

GRADES: 11

This is the third course in the *Fire Management Services* program of study. In this course, students will be prepared with technical knowledge and skills related to firefighter safety, fire behavior, building construction guidelines, and the use of firefighting equipment. Upon completion of this course, proficient students will be able to correctly demonstrate skills associated with ropes, ladders, and fire hoses in a non-live fire situation. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects as well as the National Fire Protection Association (NFPA) standards

AUTOMOTIVE-DIESEL (TCAT)

The diesel classes offered through Byington-Solway / TCAT are available, but under restructuring. Please see your school counselor for more information on the diesel CTE focus.