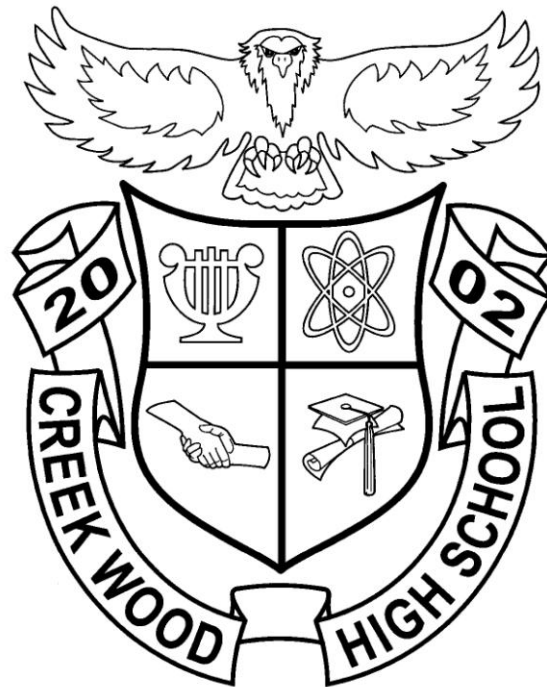


Creek Wood



Red Hawks Registration Guide 2012-2013

Tennessee Diploma Project

CREEK WOOD HIGH SCHOOL

3499 Highway 47 North

Charlotte, TN 37036

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INTRODUCTION

The Creek Wood High School Registration Guide contains information regarding course offerings, recommended course sequence, policies, requirements, and services. This information has been prepared to enable students and parents to make informed career decisions and to prepare for the lifelong career decision-making process. Course offerings are contingent on the number of students registering for a course, budget considerations, and teacher assignments.

A strong high school background is essential for continued success in the workplace or in post-secondary studies. In selecting a curriculum, students should recognize that employment and college admissions are highly competitive. Rigor of curriculum, grade-point average, class rank, attendance, and standardized test scores are crucial factors in decisions made by employers and college admissions personnel. Therefore, it is advantageous for students to select a challenging curriculum consistent with career goals and post-secondary plans.

TENNESSEE DIPLOMA PROJECT

The purpose of the Tennessee Diploma Project is to align our curriculum to make sure we give students, parents and teachers a pathway to reach those high standards. We want to make sure that our tests and graduation requirements reflect that our students really are prepared for workforce training or college.

The goal is to build stakeholder support for raising education standards. Both higher education and the business community play key roles. These groups feel that graduates need:

- Stronger **math and science skills**, but especially have mastered basic math; in addition, post-secondary school or work requires that students be able to think critically toward a focused solution.
- Stronger **communication skills**, including both verbal skills and writing skills
- To be **able to work in teams** to solve real world problems
- To be **able to think, apply, and use** what they know
- To have a **strong work ethic**; be at work regularly and be on time

New curriculum standards began in 2009-2010 with the class of 2013.

General Registration

1. High schools in Dickson County will operate on a traditional seven period day.
2. Ninth grade students will take 6 courses plus a freshmen seminar.

3. Placement into classes will follow the procedures outlined below.

- All students will be placed in the classes for which they qualify based on data. Parents and students who disagree with the recommended placement and would prefer their son or daughter take a **lower** level class must sign a release form for the transfer to occur. Parents and students who disagree with the recommended placement and would prefer their son or daughter take a **higher** level class must sign a release form for the transfer to occur. Transfer to the higher level course will occur without penalty after the mid-point of the first grading period (P1) if the student has attained an average of 93 or greater in the course.

4. A student may not request a transfer from one teacher to another.

5. A student must be enrolled for credit in a math course through the senior year even if four credits in math have already been earned.

6. For an elective course, students should list at least five (5) alternative courses on their course request form.

Post-Registration

1. After registration and before the end of the current school year, each student shall receive a course verification form which shows the course selected. Parents and students are asked to review the form and make any changes or corrections and return by the stated deadline.

2. **Thursday, March 1, 2012** is the deadline to request changes from one class to another. A student may NOT request a different class after this deadline.

3. Student schedule changes initiated by teachers/counselors may be made after the deadline due to special circumstances that make such changes necessary.

Request for Schedule Changes. Changes must be made in compliance with the following deadlines:

A.Changes must be requested through the Creek Wood Counseling Department using the proper paper work.

B.Schedule change requests will be made through the counseling department and be reviewed by an academic team comprised of a teacher, the counselor and an administrator.

NON-DISCRIMINATION

It is the policy of Creek Wood High School not to discriminate on the basis of sex, race, or disabilities when planning its educational program.

ACCREDITATION

Creek Wood High School is accredited by the Tennessee State Department of Education and the Southern Association of Colleges and Schools. Creek Wood also participates in High Schools That Work.

INDIVIDUALIZED INSTRUCTION

In an attempt to meet the individual needs of pupils, Creek Wood High School offers elective courses in art, business, language arts, world languages, mathematics, music, physical education, science, social studies, and career/technical subjects. Some courses offered in English, mathematics, science, and social studies are offered on an advanced level.

CALCULATION OF GPA

All GPA's will be calculated on a 4.0 system. For purposes of determining class rank, the numerical average of grades will be used. All numerical grades (including audited classes) earned in grades 9, 10, 11 and first semester of the 12th will be counted toward the grade-point average used to determine class rank.

HONORS & ADVANCED CLASSES

<u>Honors</u>		<u>Advanced</u>
English I, II, III, IV Honors	U.S. History Honors	AP Calculus
Dual Enrollment English III, IV	Economics Honors	AP Chemistry
Algebra II Honors		
Pre-Calculus	Government Honors	
Calculus		
Biology I Honors	Geometry Honors	
Physics Honors	Biology II Honors	
Chemistry I Honors	French III Honors	
Chemistry II Honors	Spanish III Honors	

Guidelines: Additional points will be added each grading period and to the semester exam grade for these advanced classes. Advanced Placement will receive five (5) points, and Honors will receive three (3) points. Only advanced classes can receive above 100 for each grading period or for the final exam grade.

RECOMMENDATION FOR ENROLLMENT IN ADVANCED COURSES

When students are registering for the second or next level of a course the following guidelines are strongly recommended:

If the grade in the first level or prerequisite course is

- A or B**, the next level is strongly recommended;
- C**, the next level is recommended with reservations;
- D**, the next level is strongly discouraged since needed skills for more advanced study in that area may be lacking.

GRADUATION REQUIREMENTS

All State of Tennessee and Creek Wood graduation requirements must be completed in order to participate in commencement exercises. To meet state and local requirements for graduation, all students shall have attained an approved attendance, conduct, and subject matter record which covers a planned program of education.

STATE OF TENNESSEE GRADUATION REQUIREMENTS

1. Graduation Requirements – Effective with the 9th grade class of 2009-2010 and thereafter.

(A) High School Diploma and Special Education Certificate.

1. The high school diploma will be awarded to students who (1) earn the specified 22 units of credit and (2) have satisfactory records of attendance and conduct. To earn a regular high school diploma, students with disabilities must earn the prescribed 22 credit minimum.

2. A transition certificate may be awarded at the end of the fourth year of high school to students with disabilities who have (1) taken classes toward a high school diploma (22 units of credit), (2) have satisfactorily completed an individualized education program, and (3) have satisfactory records of attendance and conduct. Students who obtain the transition certificate may continue to work towards the high school diploma through the end of the school year in which they turn twenty-two years old.

3. An IEP certificate will be awarded to students with disabilities who have (1) satisfactorily completed an individualized education program, (2) successfully complete a portfolio, and (3) have satisfactory records of attendance and conduct.

(B) High School Diploma

1. The following 22 units shall be required for graduation for students who enter the 9th grade in 2009-10 and thereafter.

<u>Ready Core Curriculum</u>	<u>Units</u>
English Language Arts	4
Mathematics*	4
Science**	3
Social Studies***	3
Wellness	1
Physical Education	0.5
Personal Finance.....	0.5
World Language****	2
Fine Arts*****	1
<u>Electives Focus*****</u>	<u>3</u>
Total	22

*Students who enter 9th grade in 2009-10 and thereafter shall be required to achieve, by the time they graduate, at least the following: Algebra I, Geometry, and Algebra II (or the equivalents) plus one additional mathematics course beyond Algebra I. All students will be enrolled in a math class each year. Students with qualifying disabilities as documented in the individualized education program shall be required to achieve at least Algebra I and Geometry (or the equivalent).

** Students who enter 9th grade in 2009-10 and thereafter shall be required to achieve, by the time they graduate, at least Biology I and either Chemistry or Physics plus another laboratory science. Students with qualifying disabilities as documented in the individualized education program shall be required to achieve at least Biology IA, Biology IB, and one other lab science credit. The required number of credits in science will be achieved through strategies such as, but not limited to, increased time, appropriate methodologies, and accommodations as determined by the IEP team.

***The social studies curriculum shall include United States History, World History/World Geography, Economics, and Government, Personal Finance.

****In exceptional circumstances, schools may waive the world language and fine art requirement for students who are not planning to attend the university to expand and enhance their elective focus.

***** Beginning with the Class of 2013, three credits for graduation must come from a focus area. Core classes cannot be counted in the focus area. The five (5) elective focus areas offered at Creek Wood are:

- 1. STEM -- Science, Technology, Engineering and Mathematics
- 2. Humanities – English, Social Studies, World Language, and Social Sciences.
- 3. Fine Arts – Visual Art, Performing Arts, Instrumental and Choral Music
- 4. CTE – Career and Technical Education

5.J.R.O.T.C. – Junior Reserve Officers' Training Corps

(C) Graduation with Honors and Distinction.

1. 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.
2. Students will be recognized as graduating with “distinction” by attaining a B average and completing at least one of the following:
 - (i). Earn a nationally recognized industry certification.
 - (ii). Participate in at least one of the Governor’s Schools.
 - (iii). Participate in one of the state’s All State musical organizations.
 - (iv). Be selected as a National Merit Finalist of Semi-Finalist
 - (v). Attain a score of 31 or higher composite score on the ACT
 - (vi). Attain a score of 3 or higher on at least two advanced placement exams.
 - (vii). Successfully complete the International Baccalaureate Diploma Program.
 - (viii). Earn 12 or more semester hours of transcribed postsecondary credit.

EXAMINATIONS

1. End-of-course examinations will be given in English I, English II, English III, Algebra I, Geometry, Algebra II, U.S. History, Biology I, Chemistry and Physics. Further, the results of these examinations will be factored into the student’s grade at a percentage determined by the State Board of Education in accordance with T.C.A. §49-1-302 (2). The weight of the end-of-course examination on the student’s course average is 25% of the student’s second semester average.
2. Other state mandated testing includes: PLAN (10th grade), ACT (11th grade), Writing Assessment (11th grade).

FRESHMAN ACADEMY

Beginning with the 2010-2011 school year, a Freshman Academy was implemented for all incoming 9th graders. Academies have been developed in school districts throughout the country to address problems specific to 9th grade. They are transition programs based on the smaller learning community concept. Research has revealed that these academies create a greater sense of connectedness and belonging for students. It also shows that when students do better in 9th grade they are much more likely to be successful high school students. The following components are common to most Freshman Academies and will be incorporated into Creek Wood’s program.

- Freshman will be housed in a designated area within our school for most of the school day.
- All core academic courses will be taught within the academy.
- Students, as well as teachers, will be divided into two academic teams.
- These interdisciplinary teams of teachers will collaborate to identify needs and assist students with their progress in school.
- Increased parental involvement will be stressed.
- There will be an emphasis on organization and study skills for future high school success.
- An Assistant Principal and School Counselor will be part of the academy.

HIGH SCHOOL VOCABULARY

ACT	A college-entrance exam which is required by most two- and four-year colleges (American College Testing)	NCAA Clearing-house	A process completed by students planning to participate in Division I or II athletics during college
Advanced Placement	Courses that follow a rigorous curriculum set up by the College Board (Students may take the AP exam to determine eligibility for college credit.)	Program of Studies (POS)	A combination of selected programs designed to equip students with work and life skills in a specific area.
Alternative courses	Courses the student lists during registration as second-choice options	Pre-requisite	Successful completion of a subject prior to enrolling in a course (i.e. Spanish I before Spanish II)
Class Rank	The order of students in relation to classmates based upon numerical averages	Registration Guide	A booklet that explains graduation requirements, registration policies, and course descriptions to assist students and parents in the selection of courses
Core curriculum	Basic courses required of all students for graduation	Quarter	One half of the term or nine weeks of the school year
Course	A specific class	Registration	The process of selecting courses for the next school year
Credit	The value assigned to a course upon successful completion (also called unit)	Required course	A course essential for graduation
Curriculum	A school's course of study	SAT	An entrance exam which is required by some colleges and universities (Scholastic Aptitude Test)
Dual enrollment	Enrollment in a high school class in which you may also earn college credits	Semester	One half of the school year on a seven period schedule
Elective Course	A course a student chooses after selection of required courses.	Sequential course	Courses required to be taken in a specific order (i.e. English I before English II)
GPA	The averages of semester grades (grade-point average)	Transcript	A record of high school subjects, grades, test scores, and, attendance
Honors Course	A challenging curriculum requiring additional outside projects and/or readings	Unit	The value assigned to a course upon successful completions (also called credit)
NCAA	An association that regulates college athletic programs by establishing rules on eligibility, recruiting, and financial aid (National Collegiate Athletic Association)		

GENERAL COURSE DESCRIPTIONS

SPECIAL SENIOR ONLY COURSES

JOBS FOR TENNESSEE GRADUATES: 1 credit:12th

Students must be approved by their guidance counselor.

Jobs for Tennessee Graduates (JTG) is a state program coordinated within the Division of Career & Technical Education funded in partnership with the TN Department of Education and the TN Department of Labor & Workforce Development. The program is designed to assist youth in graduating from high school and finding and keeping quality jobs.

SERVICE LEARNING PROGRAM

SLS – 1 credit: 12th001

A school program that integrates citizenship values into education by involving students in service learning. **Application must be made through assistant principal, Rodney Parker. Students who are behind in credits cannot request SLS. There will be no additional teacher aide positions in 2012-13. All aide positions will be assigned through SLS.**

PERSONAL FINANCE—1/2 Credit: 12th 335

Graduation Requirement for all Seniors

Personal Finance is a course 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.

ART

Art Classes have a \$20.00 fee used to purchase materials.

Art 1: FOUNDATIONS OF STUDIO ART:.....

1 credit: 9th 10th 11th 12th 411

As the foundation course, Art 1: Foundations of Studio Art is the prerequisite course for the comprehensive high school art program and fulfills the one credit Fine Arts graduation requirement. Studio problems are designed to build creative and critical thinking skills through practice in drawing, painting, printmaking, sculpture, crafts, and other art disciplines. As students gain knowledge of the ways artists find and interpret ideas, they develop an understanding and appreciation of the role of the artist in a culturally diverse world.

This course satisfies the Fine Arts requirement.

ART II A: DEVELOPING IDEAS IN MEDIA: 1 credit: 10th 11th 12th

..... 412

It is recommended that students requesting to take Art II complete Art I with a B average or better. If they have a C average they must have the recommendation of the art instructor.

ART III/IV: PORTFOLIO DEVELOPMENT AND PERSONAL

DIRECTIONS IN ART—2 credits: 11th 12th 420

Students wishing to take Art III/IV must complete Art II or II A with a B average or better. This course is designed to prepare students for admission to a four-year college level visual arts program, where portfolio

reviews are nearly always required. Students enrolling in Art III/IV will develop a unique and personal body of work, and prepare a portfolio for admission to selective college level visual arts programs and portfolio-based competitive scholarships.

ATHLETICS

BASKETBALL—1 credit (pass/fail): 9th 10th 531

Prerequisite: Approval of head coach This course does not count toward GPA.

BASKETBALL—1 credit: 11th 12th532

Prerequisite: Approval of head coach

FOOTBALL—1 credit (pass/fail): 9th, 10th 535

Prerequisite: Approval of head coach This course does not count toward GPA.

FOOTBALL—1 credit: 11th 12th536

Prerequisite: Approval of head coach

NINTH GRADE ENGLISH

ENGLISH I—1 credit: 9th 112

This freshman course covers standards dealing with language, communication, writing, research, logic, media, informational text, and literature. Particular focus is placed on basic language and reading skills needed for success in high school studies.

***ENGLISH I (HONORS)—1 credit: 9th 114**

This course covers all of the requirements of the English I course as well as a more in-depth study of literature, language and writing as preparation for participation in the high school honors program.

TENTH GRADE ENGLISH

ENGLISH II—1 credit: 10th 122

This sophomore course builds on the foundational standards established in English I. Skills in each area (language, communication, writing, research, logic, media, informational text, and literature) are further developed. There is particular focus placed on persuasive writing skills. Students are required to show proficiency on the Tennessee State End of Course Exam for English II.

***ENGLISH II (HONORS)—1 credit: 10th 124**

This honor's course includes all of the requirements for English II as well as an additional focus on persuasive writing, literature, and ACT standards. The course is a college-preparatory course and will begin development of composition and critical reading skills needed for continued work at the honor's level. **There is a list of required reading for this course.**

ELEVENTH-GRADE ENGLISH

ENGLISH III—1 credit: 11th 132

This junior course continues to cover standards dealing with language, communication, writing, research, logic, media, informational text, and literature. The course is built around a survey of American literature. There is also a particular focus on skills needed for the TCAP Writing Assessment and the ACT exam, which are administered during the junior year. Students are also required to show proficiency on the Tennessee State End of Course Exam for English III.

***ENGLISH III (HONORS)—1 credit: 11th 134**

It is highly recommended that students have taken English II Honors before enrolling in English III Honors. This course is an intense survey of American literature with particular focus on critical reading and writing skills needed for college preparatory studies. Students additionally focus on persuasive writing skills for the TCAP Writing Assessment as well as a variety of skills needed to perform well on the ACT exam; both of these assessments are administered during the junior year. Students are also required to show proficiency on the Tennessee State End of Course Exam for English III. **There is a list of required reading for this course.**

***ENGLISH III DUAL ENROLLMENT—1 credit: 11th 136**

*Students will earn college credit from Nashville State Community College
There is a tuition fee associated with this class.*

It is highly recommended that students have taken English II Honors before enrolling in English III Honors. This course is an intense survey of American literature with particular focus on critical reading and writing skills needed for college preparatory studies. Students additionally focus on persuasive writing skills for the TCAP Writing Assessment as well as a variety of skills needed to perform well on the ACT exam; both of these assessments are administered during the junior year. Students are also required to show proficiency on the Tennessee State End of Course Exam for English III. **There is a list of required reading for this course.**

TWELFTH-GRADE ENGLISH

ENGLISH IV --1 credit: 12th 142

This senior course is the culminating study of the English standards covered throughout high school. Language, communication, writing, research, logic, media, informational text, and literature are all incorporated into a survey of British literature. The greatest emphasis is placed on general language, reading, and writing skills appropriate for career-oriented students. Students are required to show proficiency reading and writing various types of text.

***ENGLISH IV (HONORS)—1 credit: 12th 144**

It is highly recommended that students have taken English III Honors before enrolling in English IV Honors. This course is designed for students who have exhibited exceptional skills in the use of language and interpretation of literature. There is a strong emphasis on composition and critical reading. A dual-enrollment option for college credit will be available to students in this course. There is a list of required reading for this course.

***ENGLISH IV DUAL ENROLLMENT—1 credit: 12th 146**

*Students will earn college credit from Nashville State Community College
There is a tuition fee associated with this class.*

It is highly recommended that students have taken English III Honors before enrolling in English IV Honors. This course is designed for students who have exhibited exceptional skills in the use of language and interpretation of literature. There is a strong emphasis on composition and critical reading. A dual-enrollment option for college credit will be available to students in this course. **There is a list of required reading for this course.**

OTHER ENGLISH COURSES

JOURNALISM: 1 Credit: 10TH, 11TH, 12th156

This course does not count as an English credit.

The primary goal of any journalism program should be for students to improve oral and written communication skills. Many high school students seek opportunities to explore career possibilities in the media. Journalism programs should offer students many opportunities to excel in a variety of areas.

ACT PREP READING.....1/2 credit.....11th, 12th929

This course does not count as an English credit.

This one-semester course is designed to improve standardized test scores, specifically on the ACT college admission test. The focus for this class will be English and Reading.

WORLD LANGUAGES

FRENCH I will be offered in 2013-14 in a rotation cycle.

FRENCH II—1 credit: 11th 12TH182

This course is a continuation of French I with more vocabulary and more advanced grammar. Speaking, listening, reading, and writing skills are broadened. Students will learn about Paris, France, famous French people, the role of France in the history of the United States, and the francophone world. Work outside of class and active participation in class is required.

SPANISH I –1 credit: 10th 11th 171

In Spanish I, emphasis is placed on pronunciation, vocabulary, listening comprehension, logic of the language, speaking, reading, writing, grammar, and Hispanic culture. Much drill and practice are offered the student in class through the use of audio-lingual and audio-visual materials.

SPANISH II—1 credit: 11th 12TH172

Spanish II intensifies pronunciation, vocabulary, comprehension, logic of the language, speaking, reading, writing, grammar, and Hispanic culture. Students increase their vocabulary. This goal is achieved by much drill and practice in class through the use of audio-lingual and audio-visual materials. Culture study is enhanced through individual projects.

***SPANISH III HON—1 credit: 12th173**

Spanish III is a continuation of study and use of the language as a means of communication. The subjunctive is taught to provide fluency in the language. Spanish III is designed for those students who wish to polish fine points of grammar, build vocabulary, and increase fluency. Culture of the Spanish speaking countries is continues with collaborative projects in the target language.

MATHEMATICS

Recommended Math Course Sequences			
9th Grade	10th Grade	11th Grade	12th Grade
	Algebra II Honors	→ Precalculus	→ Calculus
			↘ AP Calculus
Geometry Honors			↘ Calculus AB/BC
	*	Algebra II	→ Advanced Algebra with Trigonometry
			↘ Discrete Math
			↘ Bridge Math
	→ Geometry	→ Algebra II	↗ Adv Algebra w/ Trig
Algebra I			
	* → Geometry HON	→ Algebra II HON	↘ Precalculus
			↘ Discrete Math
			↘ Precalculus
Algebra I HON	→ Geometry HON	→ Algebra II HON	↗ Adv Algebra w/ Trig
			→ Bridge Math
			↘ Discrete Math
* With teacher recommendation and satisfactory grade in Algebra I			
* With teacher/counselor recommendation			

ALGEBRA I – 1 credit: 9th214

The course includes the study of the real number system, solving linear equations and inequalities, using proportional reasoning, applying elementary probability and statistics, graphing linear functions, writing linear equations and functions, solving systems of linear equations, working with polynomials, solving quadratic equations, and working with radicals.

***ALGEBRA I HON – 1 credit: 9th213**

The course includes the study of the real number system, solving linear equations and inequalities, using proportional reasoning, applying elementary probability and statistics, graphing linear functions, writing linear equations and functions, solving systems of linear equations, working with polynomials, solving quadratic equations, and working with radicals.

ALGEBRA II --1 credit: 10th 11th.....215

Prerequisite: Algebra I

Topics covered include number systems, relations and functions, exponents, radicals, common logarithms, quadratic relations, systems of equations and inequalities, rational expressions, and introduction to probability and statistics.

***ALGEBRA II (HONORS)—1 credit: 10th 11th216**

Prerequisite: Honors Geometry

This course provides more in-depth study of all topics listed for Algebra II (Regular) and also includes natural logarithms, matrix algebra, and polynomial functions.

GEOMETRY—1 credit: 10th 11th 12th217

Prerequisite: Algebra I This course is a study of the properties, relationships, and geometric modes of thinking concerning one, two, and three-dimensional geometric figures.

***GEOMETRY (HONORS)—1 credit: 9th 10th 11th219**

Prerequisites: Algebra I HON or teacher recommendation

This course is a study of the properties, relationships, and geometric modes of thinking concerning one-, two-, and three-dimensional geometric figures.

ADVANCED ALGEBRA w/TRIGONOMETRY—1 credit: 11th 12th220

Prerequisite: Algebra II and Geometry

Recommendation: C average in Algebra II and Geometry

This course strengthens algebra skills and prepares students for the ACT. If taken as a junior, this course prepares the student for pre-calculus; if taken as a senior, this course prepares the student for college-level mathematics. Topics covered include relations and functions, matrix algebra, linear programming, exponents, logarithms, probability and statistics, triangle trigonometry, coordinate geometry, and polynomial functions.

DISCRETE MATHEMATICS w/ STATISTICS AND PROBABILITY—1 credit: 11th 12th221

Prerequisite: Algebra II and Geometry

This course is a study of data analysis and interpretation, systematic counting, and probability. Other topics include sets, logic, matrices, networks, and tessellations. This course is an excellent choice because many college majors require students to take statistics.

***PRE-CALCULUS—1 credit: 11th 12th225**

Prerequisite: Algebra II HON or Advanced Algebra with Trig

This course is a college-preparatory course in trigonometry, analytic geometry and functions.

***CALCULUS -- 1 credit: 12th231**

Prerequisite: Pre-Calculus

This course includes the study of limits, the derivative, the integral and their application.

***AP CALCULUS -- 1 credit: 12th232**

Prerequisite: Pre-Calculus

This course includes the study of limits, the derivative, the integral and their application. Students may choose to qualify for Advanced Placement college credit by satisfactory performance on the College Board exam given in May.

Student will be required to take the College Board exam in May. The cost will be either \$24.00 or \$89.00 depending on acquisition of a waiver.

***CALCULUS AB/BC—..... DUAL ENROLLMENT: ...2 credits: 12th230**

Prerequisite: Pre-Calculus

College credit will be issued from Austin Peay State University

There is a tuition fee associated with this class.

Calculus AB and Calculus BC are primarily concerned with developing the students understanding of the concepts of calculus and providing experience with its methods and applications. The courses emphasize a multi-representational approach to calculus, with concepts, results and problems being expressed graphically, numerically, analytically and verbally. The connections among these representations also are important. Calculus BC is an extension of Calculus AB rather than an enhancement; common topics require a similar depth of understanding. Both courses are intended to be challenging and demanding.

BRIDGE MATH -- 1 credit: 12th 234

This course is designed for students who have not met the ACT Benchmark for Math. The ACT Benchmark for Math is 19. Bridge Math is a senior level Math course that is meant to bridge the gap between high school and the real world. Topics will be re-visited that were previously learned in other high school math courses.

ACT PREP MATH –1/2 credit: 11th 12th930

This course does not count as a Math credit.

This one-semester course is designed to improve standardized test scores, specifically on the ACT college admission test. The focus for this class will be Math and Science.

MUSIC

CHORAL AUDITION—1 credit: 9th, 10th 11th 12th 470

This course satisfies the Fine Art requirement.

Choral Audition is a registration tool to simplify the process of placing students in appropriate choral groups. Choral Audition is required of all students who desire placement in a choral group. All students will be charged \$25.00 per semester. After spring auditions, students will be placed in one of the following choral groups: **Women’s Ensemble or Advanced Concert Choir.**

GENERAL MUSIC:1 credit: 10th 11th 12th 472

This course will satisfy the Fine Arts requirement.

General Music is designed for the student who has always wanted to learn to read music but has not yet had the opportunity to do so. The course will cover basic musical terms, music notation, and a brief introduction to the history of music. Students will have a chance to apply the knowledge to the piano.

PIANO LAB I—1 credit: 10th 11th 12th 474

This course will satisfy the Fine Arts requirement.

Student will learn the basics of music notation, rhythm, melody and harmony. Students progress through instruction utilizing beginning piano books and supplementary materials. Access to a piano/keyboard outside the class is helpful but not necessary.

PIANO LAB II —1 credit: 10th 11th 12th 475

Prerequisite: Piano Lab I or student audition.

Continuation of music notation, rhythm, melody, and harmony.

SYMPHONIC BAND credit: 9th, 10th 11th 12th 491

The purpose of this course is to provide musical enrichment for students. The band will study literature from all eras and provide advanced students with the skills necessary to perform at the college level. The band will perform at festivals, public concerts, and other events requiring instrumental ensembles. Members of this group also participate in marching band. Fees will be charged for summer camp, symphonic band camp, and trips. ***This course will satisfy the one-credit requirement for a visual or performing art of the college-bound student.***

PERCUSSION ENSEMBLE—1 credit: 9th, 10th 11th 12th 493

The purpose of this course is to provide musical enrichment for students. The Percussion Ensemble will study literature from all eras and provide advanced students with the skills necessary to perform at the college level. This group will perform as part of the band at festivals, public concerts, and other events requiring instrumental ensembles. Members of this group also participate in marching band. Fees will be charged for

summer band camp, symphonic band camp, and trips. Students may choose band or percussion but not both. ***This course will satisfy the one credit requirement for fine arts.***

SCIENCE

HIGH SCHOOL SCIENCE CURRICULUM

All students must complete: Biology I, Chemistry OR Physics, and 1 other lab science.

FRESHMAN YEAR

Biology I – All students (2 levels – Regular, & Honors)

SOPHOMORE YEAR

Principles of Technology I

Chemistry I (2 Levels – Regular & Pre Ap)

Physical Science

JUNIOR YEAR

AP Chemistry (Prerequisite Pre AP Chemistry and a third year of mathematics – Alg. II or higher)

Biology II (Honors) Prerequisite Biology I and Chemistry I

Ecology

Anatomy & Physiology

Principles of Technology I, II

Agriscience

Physics

SENIOR YEAR

AP Chemistry (Prerequisite Pre AP Chemistry and a third year of mathematics – Alg. II or higher)

Biology II (Honors) Prerequisite Biology I and Chemistry I

Ecology

Anatomy & Physiology

Principles of Technology I, II

Agriscience

Physics

AGRISCIENCE – 1 credit: 11th 12th550

Agriscience is a laboratory science course that prepares students for biology, subsequent science courses and postsecondary pursuits. The content area includes ecology, biological processes, sexual and asexual reproduction and a study of the chemical and physical laws that govern life processes. This course helps students understand the important role agricultural science serves as industry moves into the 21st century.

PHYSICAL SCIENCE – 1 credit: 10th 11th.....251

Physical Science is a *laboratory science course* that explores the relationship between matter and energy. Students investigate physical science concepts through an inquiry-based approach. Embedded standards for Inquiry, Technology & Engineering, and Mathematics are taught in the context of the content standards for Energy, Matter, Motion, and Forces. Emphasis will be placed on preparation for Chemistry.

PRINCIPLES OF TECHNOLOGY 1—1 credit: 10th 11th 12th ...255

This course is designed to be both academically rigorous and practical for students planning technical careers. It utilizes hands on activities as well as problem solving to explore mechanical, fluid, electrical and thermal systems. The units explain the principles of force, work rate and resistance.

Note: Principles of Technology meets state requirements for science credit and college requirement for lab science.

PRINCIPLES OF TECHNOLOGY II--1 credit: 11th 12th256

Prerequisites: PT I

This course, which is a continuation of Principles of Technology I, emphasizes laboratory experiences and mathematical exercises to explore mechanical, fluid, electrical and thermal systems. The units explain the principles of energy, power, transformers and green energy.

BIOLOGY I—1 credit: 9th 262

Biology I is a course that introduces students to the study of living things at various levels of organization. Students will explore basic life processes. Topics covered are cells and cell processes, genetics, interactions, diversity, taxonomy, ecology, biological evolution and biotechnology. Biology I should provide students with the knowledge to make informed decisions about their bodies, their health and their world.

***BIOLOGY I (HONORS)—1 credit: 9th 264**

This course covers the topics of cells and cell processes, genetics, interactions, diversity, taxonomy, ecology, biological evolution and biotechnology. The class moves at a faster pace and is more in depth than Regular Biology I. Students are expected to be self-motivated and to achieve a level of mastery of the subject material. Special emphasis is placed on problem solving and student participation. A project or paper is required to earn Honors points.

ECOLOGY – 1 credit: 11th 12th 268

Ecology is a course that introduces students to the study of the natural environment and the environmental problems that we face. Topics covered will include personal and civic responsibility, human population dynamics, natural resources, and humans' interaction with the environment. Students will be better equipped to make environmentally ethical decisions at the conclusion of this course.

CHEMISTRY I—1 credit: 10th 11th 12th 271

Prerequisite: Algebra I

This course is designed for students who realize that some knowledge of chemistry is vital to the consumer in our technological society. It attempts to familiarize the student with general chemical principles (such as those dealing with the reactivities of the elements and the general properties of solids, liquids, and gases) in an easier and slower fashion than Honors Chemistry. Problem solving and reasoning skills are still emphasized, and a good working knowledge of fundamental algebra is essential. Laboratory work will develop observation and interpretation skills.

***Pre AP CHEMISTRY (HONORS)—1 credit: 10th 272**

Replaces Chemistry I HON Prerequisite: Algebra Lab fee required.

This course is designed for students who are interested in science or health field careers. Since it emphasizes higher-order thinking skills, it also provides excellent preparation for most college work. A challenging course, it provides a general survey of chemistry with emphasis on problem-solving and reasoning skills. The reactivities of elements will be explored as well as the general properties of solids, liquids, and gases. Laboratory work will be provided for development of technique, observational ability, and interpretation. A working knowledge of algebra is essential. A project or paper is required to earn Honors points.

***AP CHEMISTRY – 1 credit: 11th 12th 274**

Prerequisite: Pre AP Chemistry Lab fee required.

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. For some students, this course enables them to undertake, in their first year, second-year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses. A project or paper is required to earn Honors points. **Student will be required to take the College Board exam in May. The cost will be either \$24.00 or \$89.00 depending on acquisition of a waiver. This will be a 2 period course worth 1 credit.**

***BIOLOGY II (Honors)—1 credit: 11th 12th 276**

Prerequisites: Biology and Chemistry Lab fee required.

Biology II is designed to bridge the gap between high school and college biology. This course is a continuation of Honors Biology with added emphasis on vertebrate dissection and plant/animal physiology. Labs will be carried out to reinforce the lecture material. Individual research projects will be encouraged.

***CHEMISTRY II (Honors)—1 credit: 11th 12th 275**

Prerequisite: Chemistry

Chemistry II is a practical, lab-based course covering applications of inorganic chemistry. The major topics will include electrochemistry, environmental chemistry (including air, water, and solid waste pollution), nuclear chemistry, coordination chemistry, and the production and control of energy sources. Laboratory work will include the construction and testing of electrochemical cells, electroplating, synthesis of coordination compounds, and water-quality testing.

***PHYSICS (Honors) -1 credit: 11th 12th 281**

Prerequisite: Algebra II

This course is designed as a follow-up to Honors Chemistry for students planning to continue a science curriculum in college. It provides a general survey of physics including the areas of mechanical physics, energy, heat, light, sound, and nuclear physics. Emphasis is placed on mathematical problem-solving in the analysis of observed physical phenomenon. A project or paper is required to earn Honors points.

SOCIAL STUDIES**WORLD HISTORY—1 credit: 9th 302**

This course will study the history of humankind with more concentrated focus on the Renaissance to present day

MODERN HISTORY—1 credit: 10th 11th 12th 303

Students will focus on the world wide chronological events and significant persons from the Great Depression era to the present.

UNITED STATES HISTORY --1 credit: 11th 312

This course will study the history of the United States Reconstruction to the present. Students will utilize different methods that historians use to interpret the past, including points of view and historical context. This will allow students to have a better understanding of how the past affects the present and how current decisions affect the future.

***UNITED STATES HISTORY (HONORS)—1 credit: 11th 313**

This course is open to juniors desiring a more demanding and in-depth treatment of the survey in United States history. The basic topic format is identical to that of the regular United States history course, but there are significant differences. A research paper is a course requirement. Testing is geared toward discussion questions and application and interpretation of factual material. Basically, the honors course is designed to be a more challenging approach to the story of United States historical development.

GOVERNMENT (UNITED STATES)—1/2 credit: 12th 321

United States Government provides a study of state and local governmental institutions as well as a thorough study of our national government. Emphasis is on the underlying principles, the processes involved, and the powers and people that comprise the three branches of government. Great stress is placed on the current political situation,

events, and issues. Also, the historical background that has led us to where we are as a nation is examined.

***GOVERNMENT (HONORS)—1/2 credit: 12th 322**

Honors Government provides a more in-depth study of our national government and its institutions. At the end of the course, students will be able to recognize and analyze significant local and national political issues. Students will also be familiar with a variety of strategies for meaningful participation in the democratic process.

ECONOMICS—1/2 credit: 12th 323

This course is a study of the market economy and the modified free enterprise system. Emphasis will be placed on the role of government and the individual in the system. Economic systems, supply and demand, business cycles, money, labor, government intervention, problems of scarcity, and international economics are some of the topics covered.

***ECONOMICS (HONORS)—1/2 credit: 12th 324**

This course is geared toward those desiring a more challenging study of economic principles and for students interested in a career in the social studies. The same fundamental concepts will be covered as in the regular course but with less emphasis on consumer economics and more emphasis on expanding skills used in college courses. Students will work beyond the classroom analyzing case studies of economic situations and keeping portfolios of current issues, interviews, and surveys.

PSYCHOLOGY—1 credit: 10th 11th 12th 331

Psychology is a course taught from a personal adjustment approach. Topics include personality, emotions, motivation, frustration, coping with stress, psychological disturbances, growth and development, influences on behavior and ways to improve self-image. Student will gain a better understanding of themselves, learn more about adjusting to life and improve problem solving skills.

THEATRE ARTS AND SPEECH COMMUNICATION

THEATRE—1 credit: 9th 10th 11th 12th 461

This course is designed to provide an introduction to theatre arts. Topics covered will include acting, technical theatre, and the history of drama. Students will present several acting scenes each semester.

This course will satisfy the Fine Arts requirement.

ADVANCED THEATRE ARTS -- 1credit: 10th 11th 12th 463

Prerequisite: Theatre I

Auditions for admission are required. (see Mrs. Nichols)

This course provides advanced training in acting, technical theatre, and other theatre arts-related topics. Students will be required to participate in performances outside the classroom.

WELLNESS AND PHYSICAL EDUCATION

LIFETIME WELLNESS—1 credit: 9th 501

Wellness is a new approach to the old physical education and health curricula. The approach focuses on the principles of lifetime wellness, not solely activity and sports. Hopefully, students completing this course will be better prepared to assume responsibilities for personal lifetime wellness. Lifetime wellness is a lifelong process of positive lifestyles management that seeks to combine the emotional, social, and intellectual and physical dimensions of self for a longer, more productive, and higher quality of life.

LIFETIME SPORTS –1/2 credit: 11th 12th 513

This course is designed to meet needs of all students who would like to explore lifetime sports and activities. Activities to be offered will have carry over value, affording people the opportunity for lifetime physical well-being.

LIFETIME SPORTS –1 credit: 10th 11th 12th 513Y

This course is designed to meet needs of all students who would like to explore lifetime sports and activities. Activities to be offered will have carry over value, affording people the opportunity for lifetime physical well-being.

WEIGHT TRAINING—1/2 credit: 11th 12th 514

The purpose of this course is to teach basic lifting and safety techniques.

WEIGHT TRAINING—1 credit: 10th 11th 12th 514Y

The purpose of this course is to teach basic lifting and safety techniques.

JROTC COURSE DESCRIPTIONS

The CWHS Junior Reserve Officer Training Corps (JROTC) Focus Area is: ***A Character and Leadership Development Program***

Curriculum focus:

Citizenship	Language Arts	Self-Regulation
Physical Fitness	Public Speaking	Leadership Skills
Civics	Health	Thinking and Reasoning
Economics	Life Skills	U.S. History
Geography	Life Work	Working with Others

JROTC Enrollment Requirements:

Enrollment in this program is voluntary. Students/perspective cadets must be enrolled in and attending CWHS as a full-time student. Once enrolled, Cadets must maintain an acceptable standard of academic achievement and standing as required by the JROTC Department and CWHS. Cadets must also maintain an acceptable standard of conduct, comply with the JROTC grooming standards and be physically capable to participate in the physical education program. Cadets must agree to wear the Army JROTC uniform one school day per week.

JROTC Leadership and Education (LET) – 509

Level 1 – 1st Year: 1 credit

LET 1 is the entry-level course of the Junior Reserve Officer Training Corps Program and teaches Cadets the value of citizenship, leadership service to the community, personal responsibility and a sense of accomplishment while instilling in them self esteem, teamwork, and self discipline. The program promotes graduation from high school by providing curriculum, Leadership and Education Training (LET), and rewarding opportunities that benefit the student, community and the nation both in the present and the future. LET 1 Cadets can expect to assume entry-level leadership positions in CWHS's Corps of Cadets.

JROTC Leadership and Education (LET) – 510

Level 2 – 2nd Year: 1 credit

Prerequisite: Successful completion of LET Level 1

LET 2 of the Junior Reserve Officer Training Corps Program broadens a Cadet's knowledge and understanding of citizenship, leadership, service to the community and personal responsibility. The curriculum expands beyond the LET 1 focus areas and includes, Health/Lifestyle Awareness, First Aid, Drug Awareness, Map Reading/Orienteering, Geography, Environmental Awareness, Citizenship Skills, and the History and Operations of the U.S. Government. LET 2 Cadets continue to build self-esteem, teamwork, and self-discipline and work to assume greater positions of responsibility as leaders in CWHS's Corps of Cadets.

CAREER and TECHNICAL EDUCATION

Career-Technical education is a combination of programs designed to equip students with work and life skills. Through the appropriate selection of programs, student may explore career options, gain insights into a number of fields of employment, prepare for specific careers, upgrade knowledge as work requirements change, and learn how to improve home and family life. Students are exposed to post-secondary opportunities available in technical schools, apprenticeship programs and colleges or universities.

Students may receive semester hours credit from Nashville State Community College or Tennessee Technology Center-Dickson for credit earned in career classes. See instructor or career counselor for more information.

Youth organizations are an integral part of each career course. They are designed to develop personal and leadership qualities in students. Students in career classes must adhere to safety standards developed for specific programs and must be covered by an insurance policy.

Course offerings are available in the following focus areas.

- | | |
|--|---|
| 1. Agriculture
A. Plant Systems–Turf/Nursery
Productions
B. Animal Systems – Pre-Veterinary | 5. Health Science
A. Diagnostic Services
B. Therapeutic Emergency
Services |
| 2. Architecture And Construction
A. Construction Carpentry | 6. Transportation, Distribution, &
Logistics
A. Automotive Technology |
| 3. Business Technology
A. Banking & Finance
B. Web Multimedia Mgt./Webmaster | |
| 4. Family And Consumer Sciences
A. Family & Community Services
B. Teaching Training Services | |

AGRICULTURE

Student Organization -- Future Farmers of America FFA

PLANT SYSTEMS – LANDSCAPE & TURF SCIENCE PROGRAM OF STUDY

AGRISCIENCE—1 credit:

9th 10th 11th 12th 550

Agriscience consists of standards that prepare students for biology, subsequent science courses and post-secondary pursuits. The content area includes ecology, biological processes, sexual and asexual reproduction and a study of the chemical and physical laws that govern life processes. This course helps students understand the important role agricultural science serves as industry moves into the 21st century.

PLEASE NOTE: Students may not receive credit in both Principles of Agriculture and Agriscience.

LANDSCAPING & TURF MANAGEMENT – 1 credit:

10th 11th 12th555

Required Prerequisite: Agriscience

Landscaping and Turf Management includes standards to prepare students for creating beautiful environments for homes and businesses. This study includes site analysis and preparation, landscape drawing, plant selection, and installation. Maintenance of healthy attractive landscapes and turf areas will be emphasized. Students will be given many opportunities with hands on learning around the school campus. With the increase of urban sprawl these career opportunities are increasing daily. Plant science and leadership skills taught in this class will prepare students to meet the demands of this exciting industry.

GREENHOUSE MANAGEMENT – 1 credit:

10th 11th 12th560

Required Prerequisite: Agriscience

This course is designed to prepare a student to manage a greenhouse operation. Students in this class will learn to produce various ornamental crops and food crops. An understanding of structures, crop selection, and growing systems will be explored. Students will work hands on in a greenhouse setting to gain experience and knowledge within the curriculum. As populations continue to expand, the importance of food production in a climate controlled environment increases. Today's agriculture students are preparing to meet the needs of a growing world.

OR

FLORAL DESIGN – 1 credit

10th 11th 12th563

Required Prerequisite: Agriscience

This course is designed to introduce students to the career possibilities in the floral industry and to provide basic instruction in the techniques of floral design. Floral arrangements will be made for various holidays/events celebrated within the local community, as well as, the growing of plant specimens used within the industry. It includes standards that prepare students to produce creative floral arrangements for various events and cultures.

PLANT BIOTECHNOLOGY - 1 credit:

11th 12th564

Required Prerequisite: Agriscience and one other Plant Systems Agricultural Course

This course is to prepare students with interests in higher-level, science-based plant agriculture. This course includes biological science standards. Many projects will be conducted in a greenhouse and/or laboratory setting. Students enrolled in this course will study rigorous standards related to the principles of plant growth, cell structure and functions, heredity and genetics (molecular biology), plant breeding and improvement, hormones and growth regulators, chemical nature of plant life, flower structure and function, seed formation and germination, DNA and biotechnology, and emerging technologies. Students will use the scientific methods to investigate a plant problem. FFA and supervised experience will be included as appropriate.

**ANIMAL SYSTEMS – PRE-VETERINARY
PROGRAM OF STUDY**

PRINCIPLES OF AGRICULTURAL SCIENCES - 1 credit:
9th 10th 11th 12th551

Principles of Agricultural Sciences is designed to develop the basic theories and principles involved in animal science, agribusiness, agricultural mechanics, and natural resource management. The standards prepare students to choose among agricultural careers for the 21st century. Some possible activities are as follows: Basic shop activities (wood working, welding, tool identification etc...) Basic Livestock projects (bottle feeding goats/lambs/calves, livestock judging, basic fence construction) Forestry activities (tree identification, wildlife feeding, nature strolls) and Agribusiness activities (plant sale planning, agriculture Quiz Bowl, commodity markets (livestock and grain sales).

OR

AGRISCIENCE—1 credit:
9th 10th 11th 12th550

Agriscience consists of standards that prepare students for biology, subsequent science courses and post-secondary pursuits. The content area includes ecology, biological processes, sexual and asexual reproduction and a study of the chemical and physical laws that govern life processes. This course helps students understand the important role agricultural science serves as industry moves into the 21st century. **PLEASE NOTE: Students may not receive credit in both Principles of Agriculture and Agriscience.**

LIVESTOCK MANAGEMENT - 1 credit:
10th 11th 12th562

Required Prerequisite: Agriscience or Principles of Agricultural Sciences

Livestock Management provides knowledge and skills needed for successful work (entry level to management) in the livestock industry. The course will complement a student’s supervised agricultural experience program by providing management tools.

SMALL ANIMAL CARE - 1 credit:10th 11th 12th557

Required Prerequisite: Agriscience or Principles of Agricultural Sciences

Small Animal Care contains objectives to prepare students for careers in managing and caring for specialty and companion animals. As our population raises more specialty and companion animals for production purposes and personal value, careers that work with these animals in a safe environment will continue to expand.

VETERINARY SCIENCE- 1 credit: 11th 12th556

Required Prerequisite: Agriscience or Principles of Horticulture Sciences and one other Animal Systems Agricultural course

Veterinary Science challenges students to use advanced technologies and medical treatments to maintain the health of animals. The animal health industry continues to grow in importance and prominence as more people purchase animals for pleasure and sustenance.

**AGRICULTURAL PROGRAM ENHANCEMENT
COURSE(S):**

AGRICULTURE MECHANICS AND MAINTENANCE-
1 credit: 10th 11th 12th561

Required Prerequisite: Agriscience or Principles of Agriculture Sciences

This course includes standards to prepare students for operational procedures in a shop or home environment. Students learn basic skills ranging from welding, brazing, and electricity to land measuring and plumbing.

ARCHITECTURE AND CONSTRUCTION

Student Organization – Skills USA

**CONSTRUCTION CARPENTRY
PROGRAM OF STUDY**

CONSTRUCTION CORE—1 credit:
9th 10th 11th 12th 700

This is a course that will introduce students to basic skills and knowledge applicable to all construction trades. Topics covered include safety, leadership development, construction drawings, site layout, hand and power tools, linear and angular measurements, blueprint reading, and rigging, and application of algebraic and geometric principles to construction problems.

CARPENTRY I—2 credits:
10th 11th 12th712

Required Prerequisites: Construction Core, Algebra I (may be taken concurrently)

This course introduces students to basic skills and knowledge related to residential and commercial carpentry. Topics covered include wood, metal, and concrete building materials; fasteners; hand and power tools; fabrication based on construction plans; and framing of platform and post-and-beam

CARPENTRY II—2 credits:
11th 12th715

Required Prerequisite: Carpentry I

Advanced instructions in the use of various building materials, tools, and equipment are provided through various activities.

BUSINESS TECHNOLOGY

Student Organization – Future Business Leaders of America FBLA

**BANKING AND FINANCE
PROGRAM OF STUDY**

COMPUTER APPLICATIONS –1/2 credit:
9th 10th 11th 12th 390

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 social, business, 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.

eBUSINESS COMMUNICATIONS — 1/2 credit:
9th 10th 11th 12th 392

Students in eBusiness Communications will learn the importance of communication in a business environment. Communication etiquette, business ethics, safety & security of internet communications and applications, and use of data online are some of the areas covered. Students will learn to use internet based tools and electronic media to develop business skills such as team collaboration, public speaking, and interpersonal communications.

AMERICAN BUSINESS LEGAL SYSTEMS — 1/2 credit
10th 11th 12th 371

The content of the course includes understanding the law and our legal system with emphasis on individual rights. Criminal law, tort law, and personal law with emphasis on minors and property law are covered. A practical approach is used to help students appreciate their legal rights and understand their legal duties.

ACCOUNTING I—1 credit:
10th 11th 12th 381

Accounting I introduces students to business transactions, journalizing, posting, and preparing worksheets and financial statements for a sole proprietorship, partnership and corporation.

FINANCIAL PLANNING—1/2 credit:
10th 11th 12th 364

Financial Planning is a course designed to develop skills in the use of financial principles in making business decisions. Students will research job qualifications and employment opportunities in finance. The course includes a study of financial resources, ethical issues and the impact of financial decisions on the consumer market.

**WEB MULTIMEDIA MANAGEMENT/WEBMASTER
PROGRAM OF STUDY**

COMPUTER APPLICATIONS –1/2 credit:
9th 10th 11th 12th 390

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 social, business, 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

eBUSINESS COMMUNICATIONS — 1/2 credit:
9th 10th 11th 12th 392

Students in eBusiness Communications will learn the importance of communication in a business environment. Communication etiquette, business ethics, safety & security of internet communications and applications, and use of data online are some of the areas covered. Students will learn to use internet based tools and electronic media to develop business skills such as team collaboration, public speaking, and interpersonal communications.

WEB DESIGN ESSENTIALS– 1 credit
10th 11th 12th 393

Required Prerequisite Required: Computer Applications
 This first level course of Web Design prepares students with work-related, leadership and employability skills. Students will gain knowledge of computer systems, and learn basic electricity and electronic

fundamentals. Course content stresses layout and design guidelines as applied in the design of markup language documents. This course is structured to the industry standards of the Certified Internet Webmaster Foundations Certification Test.

WEB DESIGN APPLICATIONS – 1 credit:
11th 12th 397

Required Prerequisite: Web Design Essentials
 The 2nd level of Web Design prepares students with skills for advancement into postsecondary education or industry. Course content includes exposure to basic and advanced Web design, Web graphics, and Web animations. The student will learn the fundamentals of networking concepts and determine system requirements. The student will learn (HTML) and create web pages using graphics and text. This course directly maps to the certified Internet Webmaster “Site Designer” national certification test.

BUSINESS PROGRAM ENHANCEMENT COURSE(S):

VIRTUAL ENTERPRISE INTERNATIONAL-1 credit:
11th 12th 383

Required Prerequisite: Computer Applications & 1 other Business Course

CAPSTONE FOR BOTH BUSINESS PROGRAMS

Virtual Enterprise International (VE) is a simulated business environment. The VE students will be involved in 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.

***This course does not satisfy any Program of Study requirement, but can be taken as an elective.**

***SUCCESS SKILLS FOR SERVICE LEARNING/YOUTH LEADERSHIP-1 credit: 11th 12th 305**

The course provides activities which demonstrate why education is important in the real world. Attention is given to development of leadership skills and recognition of individual talents. Learning is extended beyond the textbook to include trips to local businesses and government offices. Students will become well acquainted with their community. A service project will be required. **Application for this program must be made before registration. Please see Mr. Tim Decker in the Business Dept. for an application. Placement in this course is determined by Youth Leadership Committee.**

FAMILY AND COMMUNITY SERVICES

Student Organization—Family, Career, and Community Leaders of America FCCLA

**FAMILY AND CONSUMER SERVICES
PROGRAM OF STUDY**

FAMILY & CONSUMER SCIENCE – 1 credit
9th 10th 11th 12th 580

Family and Consumer Sciences is a comprehensive, foundation course designed to assist students in developing knowledge and skills needed for successful life planning and management. Class content includes human development; family and parenting education; resource management; housing and living environments; nutrition and foods; textiles and apparel; leadership development; and career preparation. A unique focus is on the management of families, work, and their interrelationships.

CHILD & LIFESPAN DEVELOPMENT—1 credit
10th 11th 12th 575

Required Prerequisite: Family and Consumer Science

Child & Lifespan Development prepares students to understand the physical, social, emotional and intellectual growth and development throughout the lifespan. Experiences such as laboratory observations, job shadowing, service learning, and laboratory participation will enhance the learning process. Instructional content includes child development theories and research; prenatal development; infants and toddlers, preschool years; middle childhood; adolescence; adulthood; geriatrics; death and dying; careers; and leadership, citizenship, and teamwork.

NUTRITION AND FOODS—1 credit
10th 11th 12th..... 590

Required Prerequisite: Family and Consumer Science

Nutrition and Foods is a specialized course designed to help students understand the nutrient value, appetite appeal, social significance, and cultural aspects of food. Students will examine the role of nutrition in the prevention of health conditions, such as obesity, and the promotion of optimal body performance throughout the life span. The course offers students opportunities to develop skills in the safe and sanitary selection, preparation, storing, and service of food; meal management to meet individual and family nutrition needs across the life span; and optimal use of food resources.

LIFE CONNECTIONS 1 credit:
10th 11th 12th 570

Required Prerequisite: Family and Consumer Science

Life Connections is a course designed to assist students in making a successful transition from high school into the post high school environment. Students will be empowered to take action for the well-being of themselves and others as they effectively manage the roles and responsibilities created by family, career, and community interactions. The role of communication in establishing and maintaining healthy interpersonal relationships is emphasized. Skills related to decisions making, problem solving, critical and creative thinking, technology, and workplace readiness practiced in Life Connections will provide students with an understanding of how to plan for and manage careers in an ever-changing workplace.

**TEACHING TRAINING SERVICES
PROGRAM OF STUDY**

FAMILY & CONSUMER SCIENCE – 1credit
9th 10th 11th 12th 580

Family and Consumer Sciences is a comprehensive, foundation course designed to assist students in developing knowledge and skills needed for successful life planning and management. Class content includes human development; family and parenting education; resource management; housing and living environments; nutrition and foods; textiles and

apparel; leadership development; and career preparation. A unique focus is on the management of families, work, and their interrelationships.

CHILD & LIFESPAN DEVELOPMENT—1 credit
10th 11th 12th 575

Prerequisite: Family and Consumer Science

Child & Lifespan Development prepares students to understand the physical, social, emotional and intellectual growth and development throughout the lifespan. Experiences such as laboratory observations, job shadowing, service learning, and laboratory participation will enhance the learning process. Instructional content includes child development theories and research; prenatal development; infants and toddlers, preschool years; middle childhood; adolescence; adulthood; geriatrics; death and dying; careers; and leadership, citizenship, and teamwork.

LIFE CONNECTIONS - 1 credit
10th 11th 12th 570

Required Prerequisite: Family and Consumer Science

Life Connections is a course designed to assist students in making a successful transition from high school into the post high school environment. Students will be empowered to take action for the well-being of themselves and others as they effectively manage the roles and responsibilities created by family, career, and community interactions. The role of communication in establishing and maintaining healthy interpersonal relationships is emphasized. Skills related to decisions making, problem solving, critical and creative thinking, technology, and workplace readiness practiced in Life Connections will provide students with an understanding of how to plan for and manage careers in an ever-changing workplace.

TEACHING AS A PROFESSION - 1 credit
11th 12th 595

Required Prerequisite: Family and Consumer Science

Teaching As A Profession is a course designed to capture the interest of students who are interested in becoming teachers. This course will introduce students to teaching as a profession, and foster respect for the teaching profession. Students will gain knowledge and skills that will establish a foundation for a successful pathway to a teaching career. Students will develop a portfolio and complete classroom observations.

**FAMILY AND COMMUNITY SERVICES PROGRAM
ENHANCEMENT COURSE(S):**

FASHION AND DESIGN - 1 credit
10th 11th 12th 596

Required Prerequisite: Family and Consumer Science

A specialized course designed to introduce students to the world of fashion. Areas of study include fashion fundamentals, principles and elements of design, career options and preparation, product selection and maintenance, and consumer strategies.

HEALTH SCIENCE

Student Organization—Health Occupation Students of America - HOSA

**DIAGNOSTIC SERVICES
PROGRAM OF STUDY**

HEALTH SCIENCE EDUCATION—1 credit:
9th 10th 11th 12th600

This course will include basic health care information on services and products related to the health of people or animals. Subject matter will include career choices, skill development, and application of health concepts relative to becoming a health care professional. This course serves as a foundation for all health science courses.

REHABILITATIVE THERAPIES—1 credit
10th 11th 12th 601

Required Prerequisite: Health Science Education

The student will learn to differentiate between therapeutic career options, diagram human structure and describe human functions, organize and assess patient history and apply appropriate multi-disciplinary therapies for medical conditions.

DIAGNOSTIC MEDICINE—1 credit:
10th 11th 12th 613

Required Prerequisite: Health Science Education

This course is designed for the student interested in a health career other than the regular nursing curriculum. It combines health information science, allied health, and communication techniques for the health care provider and is strongly recommended for those students enrolled in nursing classes. Upon completion of the course, a student may enroll in a clinical internship, which can articulate to post-secondary education or entry-level positions in therapeutics.

CLINICAL INTERNSHIP—1 credit
12th 621

Prerequisites: Students must have successfully completed a course in Rehabilitative Therapies, Medical Therapeutics, or Medical Diagnostics; must have a physical with a negative TB test; must take the HBV vaccine provided by the Board of Education; and must provide their own clinical uniforms and transportation to clinical site.

This course allows students to serve actual clinical work sites, gain knowledge of the duties, responsibilities, and legal aspects as well as develop skills in patient assessment, communication, and work environment. Students will be selected for the course based on the program criteria, which includes competency exam, Gateway exam, and State Board of Education requirements. Admission to this class is subject to junior year interview process, teacher evaluations, GPA and attendance rate. Students must maintain 90% attendance while participating in clinicals. **Students will receive 1 credit for this two period course.**

**THERAPEUTIC EMERGENCY SERVICES
PROGRAM OF STUDIES**

HEALTH SCIENCE EDUCATION—1 credit
9th 10th 11th 12th 600

This course will include basic health care information on services and products related to the health of people or animals. Subject matter will include career choices, skill development, and application of health concepts relative to becoming a health care professional. This course serves as a foundation for all health science courses.

MEDICAL THERAPEUTICS—1 credit
10th 11th 12th 611

Required Prerequisite: Health Science Education

The student will evaluate the ways therapeutic medicine is used to focus on direct patient care, including nursing, medicine, dentistry, psychotherapy, and a multitude of other allied health careers. Upon

completion of the course, a student may enroll in a clinical internship, which can articulate to post-secondary education or entry-level positions in therapeutics

EMERGENCY MEDICAL SERVICES – 1 credit
10th 11th 12th614

Required Prerequisite: Health Science Education

EMS teaches knowledge of the emergency medical field, including duties, responsibilities and legal aspects, as well as skill development in patient assessment, communication, first aid measures, and the use of emergency medical equipment.

ANATOMY AND PHYSIOLOGY—1 credit
10th 11th 12th612

Required Pre-requisite: Biology I

This course will assess human anatomy and physiological functions and descriptive results of abnormal physiology with clinical consequences. Students will demonstrate a workable knowledge of medical terminology. Anatomy and Physiology serves as a foundation of all health science courses.

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS
 Student Organization—Skills USA

**AUTOMOTIVE TECHNOLOGY
PROGRAM OF STUDY**

TRANSPORTATION CORE—1 credit
9th 10th 11th 12th 672

This course prepares students for entry into all subsequent transportation courses. Content emphasizes beginning transportation-service skills and workplace-success skills. This class is all theory –no shop. Students study safety, tools, equipment, shop operations, and basic technician skills.

AUTO: ELECTRONICS --2 credits
10th 11th 12th681

Required Prerequisites: Transportation Core

Course content prepares the students with a foundation to enter the automotive engine-performance course. Students apply principles of electricity to automotive technology and develop diagnostic skills.

AUTO: BRAKE SYSTEMS—1 credit
10th 11th 12th691

Required Prerequisites: Transportation Core

This course offers training in the diagnosis and repair of hydraulic, mechanical, and electrical systems used in standard and anti-lock brake systems.

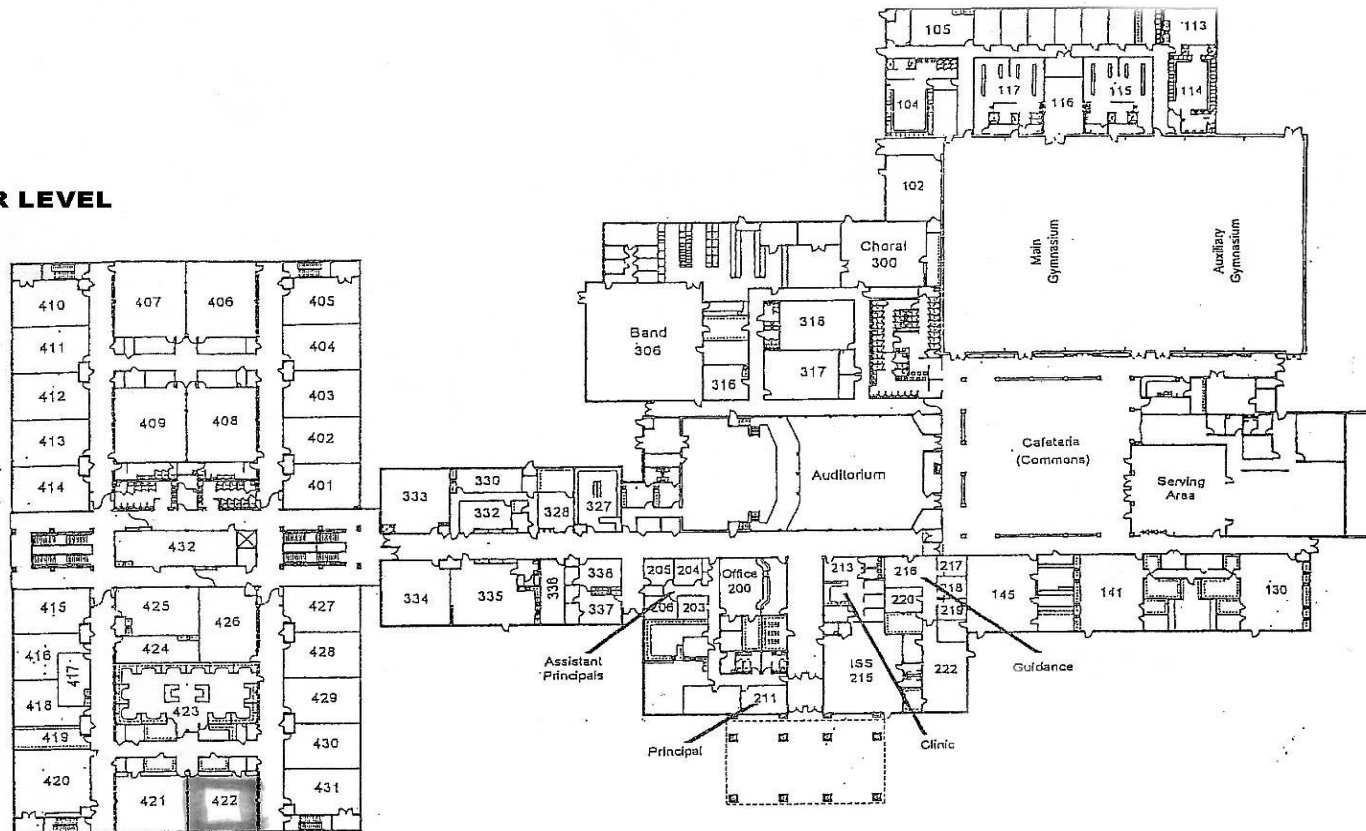
AUTO: SUSP/STEERING—1 credit
10th 11th 12th 692

Required Prerequisites: Transportation Core

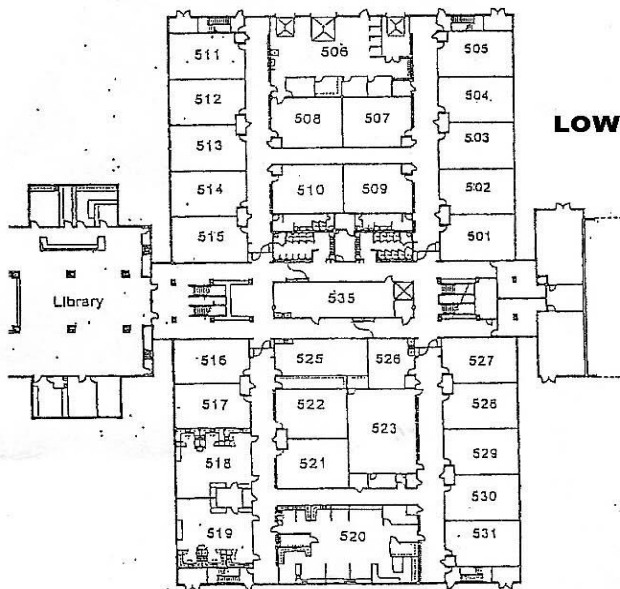
This course teaches the principles of automotive suspension/steering systems and four-wheel suspension alignment.

FLOOR PLANS

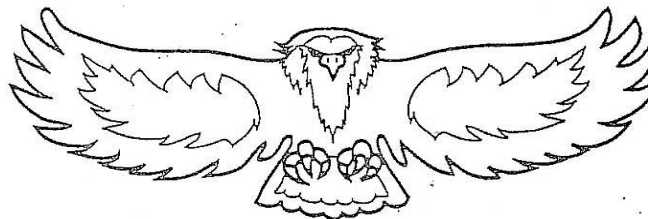
UPPER LEVEL



LOWER LEVEL



CREEK WOOD



RED HAWKS

