
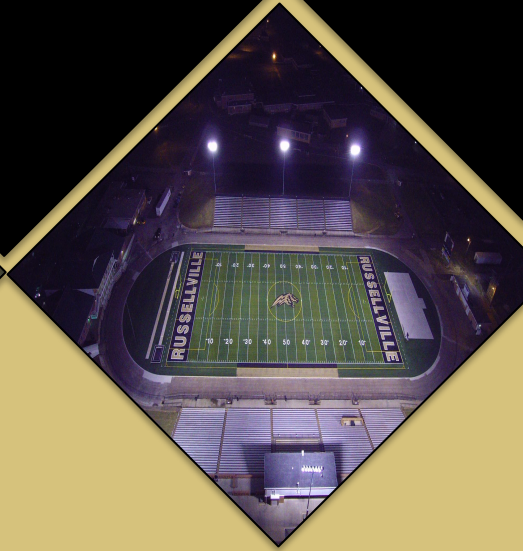


RUSSELLVILLE HIGH SCHOOL

Course Catalog
2018-2019



Russellville
City Schools
A tradition of excellence since 1929

A photograph of a brick sign for Russellville City Schools. The sign features the school's name in a serif font and a small torch icon to the right. Below the name is the tagline "A tradition of excellence since 1929". The sign is set against a background of trees.

Russellville High School

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Russellville, AL 35653
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Twitter: @Russellville_HS
Facebook: Russellville High



Russellville High School

**"Pursuing Excellence...
Impacting the lives of our students, our community, our world"**

Russellville City Schools Board of Education

Bret Gist – President
Judy Pounders – Vice-President
Greg Batchelor
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Greg Trapp

Russellville City Schools Administration

Heath Grimes – Superintendent
Claudia Askew – Administrative Assistant
Dr. Tim Guinn – Administrative Assistant

Russellville High School Administration

Jason Goodwin – Principal
Natalie Bendall – Assistant Principal / Career and Technical Director
Jeremy Clemmons – Assistant Principal

Russellville High School Guidance

Tiffany Warhurst – 11th and 12th Grade
Alissa Moore – 9th and 10th Grade
Paul Foster - Consultant

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Russellville High School

**“Pursuing Excellence...
Impacting the lives of our students, our community, our world”**

Dear Parents and Students,

On behalf of the faculty, staff, and administration, we would like to welcome you to Russellville High School. We take pride in providing educational experiences, which meet the needs of all learners through a varied and challenging curriculum. Through Advanced Placement (AP) courses, career-technical academies, and our state of the art athletic and fine art facilities, our students have the greatest opportunity to be actively involved in both their academic and extracurricular explorations.

This course catalog outlines the variety of course offerings that Russellville High School is proud to offer our students. We look forward to an exceptional school year full of rigorous coursework and memories that will last a lifetime.

Sincerely,

Mr. Jason Goodwin, Principal
Russellville High School



Russellville High School Diploma Options Checklist

Class of 2019 - 2022



SUBJECT	HONORS	ADVANCED	STANDARD
ENGLISH 4 Credits	<input type="checkbox"/> Pre-AP English 9 <input type="checkbox"/> Pre-AP English 10 <input type="checkbox"/> AP Language <input type="checkbox"/> AP Literature or English 101/102	<input type="checkbox"/> English 9 <input type="checkbox"/> English 10 <input type="checkbox"/> English 11 <input type="checkbox"/> English 12 (3 must be Pre-AP, AP or DE)	<input type="checkbox"/> English 9 <input type="checkbox"/> English 10 <input type="checkbox"/> English 11 <input type="checkbox"/> English 12
MATH 4 Credits	<input type="checkbox"/> Algebra I <input type="checkbox"/> Geometry <input type="checkbox"/> Algebra II w/ Trig <input type="checkbox"/> _____ (Must be Advanced or AP Math)	<input type="checkbox"/> Algebra I <input type="checkbox"/> Geometry <input type="checkbox"/> Algebra II w/ Trig <input type="checkbox"/> _____ (Must be Advanced or AP Math)	<input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra B <input type="checkbox"/> Geometry <input type="checkbox"/> _____ (Must be Algebra 2 or equivalent)
SCIENCE 4 Credits (Must include Biology and Physical Science)	<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ (Must include Chemistry and 2 Advanced or AP Sciences)	<input type="checkbox"/> Biology <input type="checkbox"/> Chemistry or Physics <input type="checkbox"/> _____ <input type="checkbox"/> _____ (Excluding Earth Science or Environmental Science)	<input type="checkbox"/> Biology <input type="checkbox"/> Physical Science <input type="checkbox"/> _____ <input type="checkbox"/> _____
SOCIAL SCIENCE 4 Credits	<input type="checkbox"/> World History <input type="checkbox"/> US History - Early <input type="checkbox"/> US History - Modern <input type="checkbox"/> Govt & Economics (4 must be Pre-AP, AP, or DE)	<input type="checkbox"/> World History <input type="checkbox"/> US History - Early <input type="checkbox"/> US History - Modern <input type="checkbox"/> Govt & Economics (3 must be Pre-AP, AP, or DE)	<input type="checkbox"/> World History <input type="checkbox"/> US History - Early <input type="checkbox"/> US History - Modern <input type="checkbox"/> Govt & Economics
PHYSICAL EDUCATION	<input type="checkbox"/> PE, Marching Band, or JROTC	<input type="checkbox"/> PE, Marching Band, or JROTC	<input type="checkbox"/> PE, Marching Band, or JROTC
FOREIGN LANGUAGE	<input type="checkbox"/> _____ <input type="checkbox"/> _____ (2 credits of the same language)	<input type="checkbox"/> _____ <input type="checkbox"/> _____ (2 credits of the same language)	Not Required
HEALTH (1/2 Credit)	<input type="checkbox"/> Health	<input type="checkbox"/> Health	<input type="checkbox"/> Health
CAREER PREP (1 Credit)	<input type="checkbox"/> Career Preparedness	<input type="checkbox"/> Career Preparedness	<input type="checkbox"/> Career Preparedness
CTE or ART ELECTIVE (1 Credit)	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____ (May be CTE, Foreign Lang, or Art)
ADDITIONAL ELECTIVES	<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ (8 ½ Credits)	<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ (6 ½ Credits)	<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ (4 ½ Credits) (2 must be be CTE, Foreign Lang, or Fine Art)
AP REQUIREMENTS	4 core courses from above must be AP or Dual Enrollment	Not Required	Not Required
Total Credits	30	28	24



Russellville High School

ACADEMIES



Every student who is on a standard diploma in the Classes of 2020 and beyond **MUST** choose an academy to work towards during their high school career. (This is optional for students on advanced or honors diploma.)
Students will have an opportunity to change academies their sophomore year.

ENGINEERING



Choose Three

- Foundations of Engineering
- Engineering Appl. w/Drafting
- Engineering Systems
- Engineering Research and Design

COMPUTER SCIENCE



Choose Three

- Computer Science Discoveries
- Computer Science Explorations
- AP Computer Science Principles

PRE-MED



Choose Three

- Foundations of HealthScience (taken first)
- HealthScience Internship I
- HealthScience Internship II
- Medical Terminology
- Introduction to Pharmacy

AGRIBUSINESS



Choose Three

- Agriscience
- Horticulture
- Greenhouse
- Fish and Wildlife
- Fundamentals of Agriscience II (Building and Construction)
- Forestry
- Landscaping and Design

AUTOMOTIVE



Choose Three

- Automotive I
- Automotive II
- Automotive III
- Painting and Refinishing

BUSINESS



Choose Three

- Advanced Business Technology Applications (required)
- Accounting I
- Advanced Accounting
- Entrepreneurship
- Multimedia Design
- Mgt. Principles (Business Internship)
- Publications

COSMETOLOGY



Choose Three

- Cosmetology I
- Cosmetology II
- Cosmetology III
- Cosmetology IV
- Cosmetology V
- Cosmetology VI

FINE ARTS



Choose Three

- Beginning Chorus
- Advanced Chorus
- Beg. Theory and Sight Reading
- Musical Theatre
- Technical Theatre Production
- Concert Band
- Marching Band
- Wind Ensemble
- Instrumental Techniques
- Art 1
- Art 2
- Art 3
- Art 4

HEALTHCARE



- Foundations of Health Science
- Nurse Aide Training I
- Nurse Aide Training II
- Emergency Medical Service (EMS)
- Medical Terminology
- Medical Coding

HUMAN SERVICES



Choose Three

- Parenting
- Event Planning
- Family and Consumer Science
- Food Innovations (Required)

LEADERSHIP



Choose Three

- Army JROTC I
- Army JROTC II
- Army JROTC III
- Army JROTC IV

MANUFACTURING



Choose Three

- Foundations of Engineering
- Welding (Required)
- Introduction to Manufacturing
- Fundamentals of Agriscience II (Building and Construction)
- Automotive Tech I
- Automotive Tech II
- Automotive Tech III



Russellville High School Course Index 2018-2019



English / Language Course Index

Course Name	Course #	Credit(s)
English 9	200005	1
English 9 Pre-AP	200007	1
English 10	200009	1
English 10 Pre AP	200011	1
English 11	200013	1
English 11 AP (Language and Composition)	200016 & 200036aa	2
English 12	200017	1
English 12 AP (Literature and Composition)	200020 & 200036	2
English 101: Dual Credit / Dual Enrollment	903201	1
English 102: Dual Credit / Dual Enrollment	903202	1
English as a Second Language	300001	1
Journalism	200051	1
Public Speaking	200042	1

Math Course Index

Course Name	Course #	Credit(s)
Algebra IA	210008	1
Algebra IB	210009	1
Algebra I - Pre-AP	210007	1
Geometry A	210013	1
Geometry B	210014	1
Geometry Pre-AP	210012	1
Algebra 2	210016	1
Algebra 2 with Trigonometry Pre-AP	210017	1
Career Mathematics	400024	1
Pre-Calculus	210020	1
AP Calculus / Calculus AB	210025 & 210032	2
AP Computer Science Principles	520018	1

Science Course Index

Course Name	Course #	Credit(s)
Anatomy & Physiology	220026	1
Biology	220011	1
Biology – Pre AP	220013	1
Biology – AP	220014 & 220043	2
Environmental Science	220029	1
Physical Sciences		
Chemistry – Pre-AP	220063ab	1
Chemistry – AP	220064 & 220067	2
Physics	220071	1
Earth and Space Science	220081	1
Physical Science	220051	1

Social Science (History) Course Index

Course Name	Course #	Credit(s)
World History: 1500 to Present	230013	1
World History: 1500 to Present – Advanced	230015	1
United States History to 1877	230016	1
United States History to 1877 – Pre AP	230017	1
United States History Since 1877 to Present	230019	1
United States History Since 1877 to Present AP	230022 & 230032	2
United States Government	230041	½
United States Government - Advanced	230042	½
United States Government- AP	230047	½
Economics	230051	½
Economics – Advanced	230052	½
Social Science Electives		
Psychology – AP	230072	1
Human Geography – AP	230062	1

Physical Education Course Index

Course Name	10 th – 12 th Grade Course #	9 th Grade Course #	Credit(s)
Physical Education / LIFE (Girls)	240002ac	240002	1
Physical Education / LIFE (Boys)	240002al	240002a a	1

Course Name	10th Grade Course #	11th Grade Course #	12th Grade Course #	Credit(s)
Varsity Baseball II, III & IV	240018	240019	240020	1
Varsity Basketball II, III, IV	240021	240022	240023	1
Varsity Cross Country II, III, IV	240030	240031	240032	1
Varsity Football II, III, & IV	240034	240035	240036	1
Varsity Golf II, III, & IV	240038	240039	240040	1
Varsity Soccer II, III, & IV	240042	240043	240044	1
Varsity Softball II, III, & IV	240046	240047	240048	1
Varsity Tennis II, III, & IV	240054	240055	240056	1
Varsity Track & Field II, III, & IV	240058	240059	240060	1
Varsity Volleyball II, III, & IV	240062	240063	240064	1
Weight Training	240014aa	240014	240015	1
Varsity Cheerleading II, III, & IV	240026	240027	240028	1

Foreign Language Course Index

Course Name	Course #	Credit(s)
Spanish I	270153	1
Spanish II	270154	1

Health & Driver Education Course Index

Course Name	Course #	Credit(s)
Health Education	250002	½
Driver and Traffic Safety Education	290001	½

Fine Arts Course Index

Course Name	Course #	Credit(s)
BAND		
Instrumental Techniques	283116	1
Marching Band I	283102	1
Marching Band II	283202	1
Marching Band III	283302	1
Marching Band IV	283402	1
Concert Band I	283100	1
Concert Band II	283200	1
Concert Band III	283300	1
Concert Band IV	283400	1
Wind Ensemble I	283106	1
Wind Ensemble II	283206	1
Wind Ensemble III	283306	1
Wind Ensemble IV	283406	1

VOCAL MUSIC

Beginning Chorus	283600	1
Advanced Chorus II	283700	1
Advanced Chorus III	283800	1
Advanced Chorus IV	283900	1
Beginning Theory and Sight-Reading	284750	1
THEATRE ARTS		
Musical Theatre I	285101	1
Musical Theatre II	285201	1
Musical Theatre III	285301	
Musical Theatre IV	285401	1
Technical Theatre Production I	285102	1
Technical Theatre Production II	285202	1
Technical Theatre Production III	285302	1
VISUAL ART		
Art 1	286100	1
Art 2	286200	1
Art 3	286300	1
Art 4	286400	1
Career Tech Course Index		
Course Name	Course #	Credit(s)
AGRISCIENCE		
Agriscience	420009	1
Fundamentals of Agriscience II (Building Construction)	420101	1
Fish and Wildlife Management	420024	1
Greenhouse Production and Management	420054	1
Horticultural Science	420051	1
Forestry	420020	1
Landscape Design and Management	420057	1
AUTOMOTIVE SERVICE TECHNOLOGY		
Auto Technology 1 (Maintenance & Light Repair A & B)	570071 & 570072	2
Auto Technology 2 (Maintenance & Light Repair C & D)	570073 & 570074	2
Auto Technology 3 (Service Tech A & B)	570075 & 570076	2
Painting and Refinishing I (Belgreen)	570030	1
Painting and Refinishing II (Belgreen)	570031	1
BUSINESS EDUCATION		
Career Preparedness	400025	1
Career Preparedness B	400027	½
Accounting	470012	1
Advanced Accounting	470013	1
Business Technology Applications	450006	1
Advanced Business Technology Applications	450031	1

Entrepreneurship	400017	1
Management Principles (Business Internship)	480011	1
Multimedia Design	410016	1
Multimedia Publications (Annual Staff)	410017	1
CAREER OPPORTUNITIES		
Career Pathway Project / College & Career Experience	450032	1
Early Dismissal	802111	0
COMPUTER SCIENCE		
Computer Science Discoveries	520045	1
Computer Science Explorations	520043	1
AP Computer Science Principles	520018	1
COSMETOLOGY		
Cosmetology I (COS111)	510060	1
Cosmetology II (COS112)	802208ah	1
Cosmetology III (COS113)	510062	1
Cosmetology IV (COS114)	802208ai	1
Cosmetology IV (COS117)	510063	1
Cosmetology IV (COS118)	510064	1
ENGINEERING		
Engineering I – Foundations of Engineering	560011	1
Engineering II – Engineering Applications	560012	1
Engineering III – Engineering Systems	560013	1
Engineering IV – Engineering Research and Design	560014	1
Introduction to Robotics and Rocketry	540031	1
HEALTH SCIENCE		
Foundations of Health Science	490007	1
Health Science Internship I	490013	1
Health Science Internship II	490014	2
Medical Terminology: Dual Credit / Dual Enrollment	901410	1
Medical Coding	490035	1
Nurse Aide Training	490034	2
Introduction to Pharmacy	490022	1
Emergency Medical Services: Dual Credit/Dual Enrollment (EMS 118)	941208	1
Emergency Medical Services: Dual Credit/Dual Enrollment (EMS 118)	941209	1
FAMILY AND CONSUMER SCIENCES		
Family and Consumer Science	510004	1
Parenting	510023	1
Food Innovations and Media	510016	1
Event Planning	500015	1

JROTC ARMY LEADERSHIP		
JROTC 1	480041	1
JROTC 2	480042	1
JROTC 3	480043	1
JROTC 4	480044	1
WELDING		
Welding 1: Dual Credit / Dual Enrollment	WDT 108 / 922829	1
Welding 2: Dual Credit / Dual Enrollment	WDT 122 / 922831	1
Welding 3: Dual Credit / Dual Enrollment	WDT 109 / 922830	1
Welding 4: Dual Credit / Dual Enrollment	WDT 123 / 922832	1

Other Electives Course Index

Course Name	Course #	Credit(s)
ACT Test Prep	802104aa	1
Peer Helper / Leadership	802207	1
ESL Bilingual Peer Helper / Leadership	802207aa	1
Sports Officiating	240011	1
Teen Leadership	802207ab	1
Speech - COM201 (Dual Enrollment - UNA)	911801	1
Intermediate College Algebra - MTH100 (Dual Enrollment-NWSCC)	907611	1
Pre-calculus Algebra - MTH112 (Dual Enrollment- NWSCC)	907601	1
*Pre-Engineering Drafting (Dual Enrollment- NWSCC)	927001	1
*Industrial Maintenance	542521	1
*Cabinetmaking I	430021	1
*Painting and Refinishing I	570030	1
*Painting and Refinishing II	570031	1

*Courses are taught at the Franklin County Career Technical Center in Belgreen.

English Course Descriptions

Course: English 9 (200005)			
Grade: 9	Credit(s): 1	Prerequisite(s): None	Fee:
Course Description: This course concentrates mainly on developmental skills in the use of grammar and its component parts by reinforcing and extending the skills learned earlier. Literature study includes short stories, poetry, drama, and a novel. Reading comprehension and vocabulary building are emphasized. Learning activities will provide students with a better understanding of the various processes of writing and also enhance their critical thinking skills.			

Course: English 9 Pre-AP (200007)			
Grade: 9	Credit(s): 1	Prerequisite(s): None	Fee:
Course Description: This course focuses on using Close Reading strategies to extract meaning from a variety of texts in order to write analytical and persuasive compositions. An emphasis is placed on applying critical reading strategies and thinking skills to selected works in order to analyze literary criticism and discuss the way literary elements support an author's theme/argument concerning social justice and human relationships.			

Course: English 10 (200009)			
Grade: 10	Credit(s): 1	Prerequisite(s): English 9	Fee:
Course Description: This course is a basic course in grammar, composition, and literature. The grammar and composition include emphasis on parts of speech, parts of a sentence, sentence structure, and paragraph development. Students are also taught vocabulary development, library, and reference skills. This course involves American literature from the Colonial period through 1900 and includes short stories, a novel, and drama. A research project will also be required. Students will be given instruction in the four modes of writing: descriptive, persuasive, expository, and narrative.			

Course: English 10 Pre-AP (200011)			
Grade: 10	Credit(s): 1	Prerequisite(s): English 9	Fee:
Course Description: This course is an optional course, which places more emphasis on composition skills and critical thinking. The study of American literature from the Colonial period through 1900 will include short stories, novels, drama, and poetry. A research project is required. Grammar skills are emphasized. Students will complete extensive writing assignments, including essays from all four modes: descriptive, persuasive, expository, and narrative.			

Course: English 11 (200013)			
Grade: 11	Credit(s): 1	Prerequisite(s): English 10	Fee:
Course Description: Contemporary American Literature (1900-present) will be read, discussed, and critiqued with emphasis on various writing styles and evolving American themes. Literature selections include poems, essays, short stories, novels, plays, and movies from American writers. Students will participate in grammar, vocabulary, research, and writing activities, which correspond to the literature, as well as additional activities outside the scope of the literature.			

Course: English 11 AP (English Language and Composition) (200016 & 200036aa)			
Grade: 11	Credit(s): 2	Prerequisite(s): English 10 Pre-AP or Adv.	Fee: AP Exam Fee
Course Description: An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. In order to receive college credit, students must earn a score of a 3, 4, or 5 on the AP exam. Scores corresponding to college credit vary among colleges.			

Course: English 12 (200017)			
Grade: 12	Credit(s): 1	Prerequisite(s): English 11	Fee:
Course Description: This course chronologically surveys British literature from the Anglo-Saxon Period to the present. In this course, students will apply a variety of reading strategies to various passages ranging from informational and other expository texts to complex works of literature. By applying these skills, students will be able to interpret, analyze, evaluate, and synthesize material for			

different reading, writing, speaking, and listening applications. The course also includes a strong emphasis on vocabulary development and on improved thinking skills.

Course: English 12 AP (English Literature and Composition) (200020 & 200036)

Grade: 12 **Credit(s):** 2 **Prerequisite(s):** English 11 AP or Adv. **Fee:** AP Exam Fee

Course Description: This course focuses on using Close Reading strategies to extract meaning from a variety of texts in order to write analytical and persuasive compositions. An emphasis is placed on applying critical reading strategies and thinking skills to selected works in order to analyze literary criticism and discuss the way literary elements support an author's theme/argument concerning social justice and human relationships.

Course: English 101: Dual Credit / Dual Enrollment (903201)

Grade: 12 **Credit(s):** 1 **Prerequisite(s):** See Below **Fee:** NWSCC Tuition

Prerequisite: English 11– Students must meet the entrance requirements of NWSCC and their high school. They must have an overall “B” average in their high school coursework and written approval from their high school principal and superintendent. They must also have a 20 on the English portion of the ACT test or make a passing score on the COMPASS test administered by NWSCC.

Course Description: This course is designed to give instruction and practice in developing paragraphs and essays, emphasizing both the composing process and the final product. This course may also include library orientation, research skills, and critical reading of literature with primary emphasis on composition. Upon successful completion and paid tuition of this course, students will earn a college credit for English 101 through NWSCC.

Course: English 102: Dual Credit / Dual Enrollment (903202)

Grade: 12 **Credit(s):** 1 **Prerequisite(s):** See Below **Fee:** NWSCC Tuition

Prerequisite: Student must have had a “C” average or higher in English 101

Course Description: This course is a major writing course with emphasis on analyzing and interpreting literary techniques of various authors in the study of short stories, poems, and drama in order to develop a number of required essays free of grammatical errors. Also, an extensive research paper is required. Upon successful completion and paid tuition of this course, students will earn a college credit for English 102 through NWSCC.

Course: English as a Second Language (300001)

Grade: 9-12 **Credit(s):** 1 **Prerequisite(s):** See Below **Fee:**

Prerequisites: Qualifying students that have a score of 4.7 or lower on the ACCESS test or have LEP 1 status meaning 1st year in the U.S. from native country.

Course Description: ESL is designed to help limited English-speaking students become more proficient in speaking, reading, writing, and comprehending English. Upon successful completion of this course, students may receive one-credit each semester they are enrolled.

Course: Journalism (200051)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:**

Course Description: *DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.* Newspaper study; newspaper production; news information gathering; proofreading; journalistic writing.

Course: Public Speaking (200042)

Grade: 9-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:**

Course Description: *DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR*

GRADUATION. This class is a practical course designed to offer the novice speaker a number of opportunities to organize and prepare public speaking assignments. The course will also offer a “laboratory setting” where the beginning speaker can actually stand in front of a live audience and present his/her practiced performance. Students will learn how to plan, research, compose, practice and deliver each of the speech types. The student will study famous speakers and evaluate their styles of speaking and will study the process of communication, which will help them become better learners. Students will also study debate skills as well as both verbal and non-verbal communication.

Math Course Descriptions

Course: Algebra IA (210008)

Grade: 9 **Credit(s):** 1 **Prerequisite(s):** None **Fee:**

Course Description: First part of a formal study of algebraic concepts and the real number system and is approximately one-half of the content of Algebra I.

Course: Algebra IB (210009)

Grade: 9 **Credit(s):** 1 **Prerequisite(s):** None **Fee:**

Course Description: Second part of a formal study of algebraic concepts and the real number system and is approximately one-half of the content of Algebra I.

Course: Algebra I – Pre-AP (210007)

Grade: 9-10 **Credit(s):** 1 **Prerequisite(s):** Must have earned an “A” in Algebra in Middle School **Fee:**

Course Description: Advanced study of algebraic concepts contained in the Algebra I course.

Course: Geometry A (210013)

Grade: 9-10 **Credit(s):** 1 **Prerequisite(s):** Algebra 1A & 1B or Algebra I Advanced **Fee:** \$10

Course Description: First part of a study of Euclidean geometry and is approximately one-half of the content of Geometry. Content standards 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 26, 30, 31, 32, 33, and 34 are taught in this course.

Course: Geometry B (210014)

Grade: 9-10 **Credit(s):** 1 **Prerequisite(s):** Algebra 1A & 1B or Algebra I Advanced **Fee:** \$10

Course Description: Second part of a study of Euclidean geometry and is approximately one-half of the content of Geometry. Content standards 2, 12, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 35, 36, 37, 38, 39, 40, 41, 42, and 43 are taught in this course.

Course: Geometry Pre-AP (210012)

Grade: 9-10 **Credit(s):** 1 **Prerequisite(s):** Algebra I or Alg I Adv. **Fee:** \$10

Course Description: Advanced study of geometric concepts contained in the Geometry course.

Course: Algebra 2 (210016)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** Geometry **Fee:**

Course Description: This is an advanced math course covering a review of Algebra 1. It is designed to extend student's algebraic knowledge and skills. Students are encouraged to solve problems using a variety of methods that promote the development of improved communication skills and foster a deeper understanding of the subject matter. Throughout this course, some topics will be abbreviated while others will be studied in depth. Topics include quadratic, polynomial, radical, and trigonometric functions and equations. This is a terminal course in that students cannot take another math class after this class i.e. pre-calculus or calculus. This course counts as one math credit.

Course: Algebra 2 with Trigonometry Pre-AP (210017)
Grade: 11-12 **Credit(s):** 1 **Prerequisite(s):** Geometry (See below) **Fee:**
Course Description: Algebra 2 with Trigonometry is for students planning to take Pre-Calculus. Students must have *mastered* concepts presented in Algebra I and Geometry by receiving an overall A or B in Pre-AP Algebra I and Pre-AP Geometry. This is an advanced math course covering a review of Algebra 1 and skills such as roots and radicals, radical equations, imaginary numbers, quadratic equations, the Quadratic Formula, and the discriminant. Quadratic, polynomial, and radical functions and equations are the main focus of this course. The course is completed with synthetic division and substitution, and theorems that help the student find all the roots of a polynomial equation. Upon successful completion of this course students will be prepared to enroll in pre-calculus. This course counts as one math credit.

Course: Career Mathematics (400024)
Grade: 11-12 **Credit(s):** 1 **Prerequisite(s):** Geometry **Fee:**
Course Description: A one-credit course that provides students with the foundational knowledge and processes needed to apply mathematic concepts in a career setting. Emphasis is placed on applied problems in the areas of algebra, geometry, measurement, and probability and statistics. **NOTE: This course does not meet 4 year university/college entrance requirements.**

Course: Pre-Calculus (210020)
Grade: 11-12 **Credit(s):** 1 **Prerequisite(s):** Algebra 2 w/ Trig **Fee:**
Course Description: This is an advanced math course that is designed for students who plan to continue the study of mathematics beyond the high school level. In addition to a brief review of algebra, the curriculum focuses on polynomial functions, advanced graphing techniques, exponents and logarithm, trigonometry and its application, matrices and determinants, and conic sections. The subjects of sequences, series probability, math induction, the binomial theorem, and an introduction to calculus are introduced. This course counts as one math credit

Course: AP Calculus / Calculus AB (210025 & 210032)
Grade: 12 **Credit(s):** 2 **Prerequisite(s):** Pre-Calculus **Fee:** AP Exam Fee
Course Description: This is an advanced math course that is primarily focused on developing the students understanding of the concepts of calculus and providing experience with its methods and applications. This course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. This course covers in depth topics such as functions, graphs, and limits, derivatives, and integrals. In order to receive college credit, students must earn a score of a 3, 4, or 5 on the AP exam. Scores corresponding to college credit vary among colleges.

Course: AP Computer Science Principles (520018)
Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:** AP Exam Fee

Course Description: A one credit college-level course following the curriculum established by the College Board Advanced Placement (AP) program for computer science; emphasizes object-oriented programming methodology with a concentration on problem-solving and algorithm development.

Science Course Descriptions

Course: Anatomy & Physiology (220026)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** Biology w/ an 80 average **Fee:** \$15

Course Description: A study of human anatomy and physiology including the major organ systems. The skeletal, muscular, nervous, circulatory, endocrine, digestive, respiratory, lymphatic, and reproductive systems will be studied. Dissection and the comparative anatomy of the pig is an important part of this course.

Course: Biology (220011)

Grade: 9-10 **Credit(s):** 1 **Prerequisite(s):** None **Fee:** \$10

Course Description: An introductory study of the fundamentals of biology. Topics include the scientific method, ecology, the cell, genetics, classification, micro-organisms, fungi, plants, invertebrates, vertebrates and human biology. Lab participation is required.

Course: Biology – Pre AP (220013)

Grade: 9-10 **Credit(s):** 1 **Prerequisite(s):** None **Fee:** \$10

Course Description: This course is designed for the college-bound student who wishes further investigation into the biological sciences. This is a recommended course for anyone wishing to enroll in AP Biology. The course will examine scientific method, classification, cell structure and function, genetics, evolution, ecology, microbiology, and biotechnology. Students will be required to participate in laboratory investigations.

Course: Biology – AP (220014 & 220043)

Grade: 10-12 **Credit(s):** 2 **Prerequisite(s):** 80 average in PreAP Biology **Fee:** AP Exam Fee & \$15 Lab Fee

Course Description: This course is designed to enable students to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains as they relate to biology. Key concepts: evolution, cellular processes: energy and communication, genetics and information transfer and interactions. In order to receive college credit, students must earn a score of a 3, 4, or 5 on the AP exam. Scores corresponding to college credit vary among colleges.

Course: Environmental Science (220029)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** Biology **Fee:** \$10

Course Description: A study of the biological and physical processes important in our environment with major emphasis on food chains, food webs, the organization of life, as well as a study of the major ecosystems and biomes of the world. A major portion of the course will involve learning and performing atmospheric and water quality testing of the environment, biological testing, and the monitoring and characterization of changes in wildlife and plant life in our environment. **This course**

counts as a science credit only on the standard diploma and as an elective credit on the advanced diploma.

PHYSICAL SCIENCES

Course: Chemistry – Pre-AP (220063ab)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** Algebra I **Fee:** \$15

Course Description: Advanced investigation of empirical concepts central to biology, earth science, environmental science, and physiology; in-depth investigations on the properties and interactions of matter including matter and its interactions, concentration of forces and motion, types of interactions, stability and instability in chemical systems, conservation of energy, energy transformations, and application of energy to everyday life.

Course: Chemistry – AP (220064 & 220067)

Grade: 11-12 **Credit(s):** 2 **Prerequisite(s):** Chemistry – Pre-AP **Fee:** AP Exam Fee and \$15

Course Description: This is an advanced rigorous math-based course that provides students with a foundation to support future advanced coursework in chemistry. Through inquiry-based learning, students develop critical thinking and reasoning skills. Students will cultivate their understanding of chemistry and science practices as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Students will be required to spend at least 25% of the instructional time engaged in laboratory investigations. In order to receive college credit, students must earn a score of a 3, 4, or 5 on the AP exam. Scores corresponding to college credit vary among colleges.

Course: Physics (220071)

Grade: 11-12 **Credit(s):** 1 **Prerequisite(s):** Algebra I & Algebra II **Fee:** \$20

Course Description: The science of energy, space and time, physics explains how the physical properties of matter interact with each other. It explains the behavior of mass, kinetic and electrical energy and the movement of objects through space and time. Offered to students in grades 11 and 12, the physics curriculum provides opportunities for students to participate in laboratory work and study topics such as electricity, sound waves, thermodynamics, kinematics, fundamental physics concepts, scientific methodology and basic mathematical analysis.

Course: Earth and Space Science (220081)

Grade: 11-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:** \$10

Course Description: This course is a combination of many topics that relate to the Earth and its many features. Topics include the history and composition of the Earth, weathering and erosion, plate tectonics, oceanography, meteorology, and the Earth in space. **This course counts as a science credit only on the standard diploma and as an elective credit on the advanced diploma.**

Course: Physical Science (220051)

Grade: 9-10 **Credit(s):** 1 **Prerequisite(s):** None **Fee:** \$10

Course Description: This course is an introductory study of the chemical and physical properties of matter and energy. It is devoted to an understanding of basic chemical principles, description of the atom, writing chemical formulas and equations, and the periodic table. **This course counts as a science credit only on the standard diploma and as an elective credit on the advanced diploma.**

Social Science (History) Course Descriptions

Course: World History: 1500 to Present (230013)			
Grade: 9	Credit(s): 1	Prerequisite(s): None	Fee:
Course Description: This course offers students a survey of world events from 1500 to modern times. An emphasis is placed on geographic impact and a development of civic knowledge and responsibilities.			

Course: World History: 1500 to Present – Advanced (230015)			
Grade: 9	Credit(s): 1	Prerequisite(s): None	Fee:
Course Description: Advanced work in the chronological history of the world: the emergence of a global age; the Age of Revolutions; the Age of Isms; era of global war; the world from 1500 to present.			

Course: United States History to 1877 (230016)			
Grade: 10	Credit(s): 1	Prerequisite(s): World History	Fee:
Course Description: This course focuses on the economic, social, geographic, historical and political development of the United States. Following chronological format students will explore major events and key figures from the time of exploration to the Reconstruction Era. Key events associated with the development of Alabama will be incorporated into the class.			

Course: United States History to 1877 – Pre AP (230017)			
Grade: 10	Credit(s): 1	Prerequisite(s): World History	Fee:
Course Description: Advanced work in the chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; Alabama's history and geographic changes that have influenced aspects of life during and after events			

Course: United States History Since 1877 to Present (230019)			
Grade: 11	Credit(s): 1	Prerequisite(s): US History to 1877	Fee:
Course Description: This course focuses on the economic, social, geographic, historical, and political development of the United States from 1877 to the present. The material is presented in a chronological format. Key events and leading historical figures from Alabama are incorporated into the course.			

Course: United States History Since 1877 to Present AP (230022 & 230032)			
Grade: 11	Credit(s): 2	Prerequisite(s): US History to 1877 Pre-AP	Fee: AP Exam Fee
Course Description: This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in US history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. Students will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. In order to receive college credit, students must earn a score of a 3, 4, or 5 on the AP exam. Scores corresponding to college credit vary among colleges.			

Course: United States Government (230041)			
Grade: 12	Credit(s): ½	Prerequisite(s): US History from 1877	Fee:
Course Description: This course focuses on the basic origins, structure, and functions of government at all levels in the nation. This course is paired with economics. Upon successful completion of these courses, students will earn one credit in social studies.			

Course: United States Government Advanced (230042)			
Grade: 12	Credit(s): ½	Prerequisite(s): US History from 1877	Fee:
Course Description: This course is designed for students who plan on attending college. It includes research projects, essays, and higher-level questions. The course concentrates on the basic functions of US government and civic responsibility. This course is paired with Economics Advanced. Upon successful completion of these courses, students will earn one credit in social studies.			

Course: United States Government AP (230047)			
Grade: 12	Credit(s): ½	Prerequisite(s): US History from 1877	Fee: AP Exam Fee
Course Description: This course is accelerated in rigor and pace, this course is designed to give students critical perspective on government and politics within the United States. The course involves generalized political science concepts and political theories. Critical thinking and analysis skills are used to interpret the American political system. Participation in national AP test is a mandatory component in the rigor of this course.			

Course: Economics (230051)			
Grade: 12	Credit(s): ½	Prerequisite(s): US History from 1877	Fee:
Course Description: This course focuses on the functions and institutes of modern-day economic systems and economic theory. This course is paired with US Government. Upon successful completion of these courses, students will earn one credit in social studies.			

Course: Economics – Advanced (230052)			
Grade: 12	Credit(s): ½	Prerequisite(s): US History from 1877	Fee:
Course Description: This course will focus on major concepts associated with basic microeconomics and macroeconomics. Emphasis will be placed on economic theory and will include research projects. This course is paired with US Government Advanced. Upon successful completion of these courses, students will earn one credit in social studies.			

SOCIAL SCIENCE ELECTIVES

Course: Human Geography AP (230062)			
Grade: 10-12	Credit(s): 1	Prerequisite(s): World History Advanced	Fee: AP exam fee
Course Description: Accelerated in rigor and pace, this course serves as an introduction to geography as the science of location, with emphasis on spatial patterns of human activities. The concepts of population, cultural patterns and processes, political organization of space, agriculture and rural land use, industrialization and economic development, cities and urban land use form the core of the course. Participation in national AP test is a mandatory component in the rigor of this course. DOES NOT FULFILL ANY OF THE FOUR HISTORY CREDITS REQUIRED FOR GRADUATION.			

Course: Psychology AP (230072)			
Grade: 11-12	Credit(s): 1	Prerequisite(s): World History Advanced	Fee: AP exam fee

Course Description: Accelerated in rigor and pace, this course will introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the job for subfields within psychology. They also learn about the methods psychologist use in their science and practice. **Participation in national AP test is a mandatory component in the rigor of this course. DOES NOT FULFILL ANY OF THE FOUR HISTORY CREDITS REQUIRED FOR GRADUATION.**

Physical Education Course Descriptions

Course: Physical Education / LIFE (Girls) (10th-12th: 240002ac) (9th: 240002)

Grade: 9-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:**

Course Description: A required one-credit high school course providing students with a blueprint for a lifetime of healthy living. Through the LIFE course, students will gain knowledge regarding the elements of fitness and how to apply these to their daily life. Lifelong activities such as walking, running, aerobics, tennis, badminton, hiking, etc. are used to improve fitness levels. In addition students are required to develop an individualized fitness plan that establishes a foundation for a healthy future.

Course: Physical Education / LIFE (Boys) (10th-12th 240002al) (9th: 240002aa)

Grade: 9-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:**

Course Description: A required one-credit high school course providing students with a blueprint for a lifetime of healthy living. Through the LIFE course, students will gain knowledge regarding the elements of fitness and how to apply these to their daily life. Lifelong activities such as walking, running, aerobics, tennis, badminton, hiking, etc. are used to improve fitness levels. In addition students are required to develop an individualized fitness plan that establishes a foundation for a healthy future.

Course: Weight Training (240014) (Required if participating in a sport.)

Grade: 9-12 **Credit(s):** 1 **Prerequisite(s):** Must be on sport team **Fee:**

Course Description: This lecture course includes the basic principles of physical education and physical fitness. It explores psychological and physiological effects of exercise and physical fitness, including effects on the human skeleton, muscle development, respiration, and coordination. It is viewed as an introduction to such laboratory courses as slimnastics, weight training, and conditioning. The course may also include fitness evaluation, development of individual fitness programs, and participation in fitness activities

Foreign Language Course Descriptions

Course: Spanish I (270153)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:**

Course Description: A beginning course in Spanish 1 develops basic listening, speaking, and writing skills necessary to communicate about self, family, and daily life. It introduces the students to basic vocabulary and fundamental sentences structure in the present and past tense. Students will also explore cultural aspects of the Spanish-speaking world.

Course: Spanish II (270154)			
Grade: 11-12	Credit(s): 1	Prerequisite(s): None	Fee:
Course Description: This course is a continued course of Spanish I to further develop and improve listening, speaking, reading, and writing skills, necessary to communicate about self, family and daily life as well as an abstract concept such as feelings and emotions. This course stresses basic vocabulary and fundamental sentence structure in the past tense, future indicative, and the subjunctive mood.			

Health & Driver Education Course Descriptions

Course: Health Education (250002)			
Grade: 9-10	Credit(s): ½	Prerequisite(s): None	Fee: \$20 covers the cost of CPR card and face shield
Course Description: Health education is a required one-semester course usually paired with driver and traffic safety education. Health education students and driver and traffic safety education students share the same block. The emphasis in health education is on providing students with up to date information concerning health issues and on providing students with knowledge about their bodies and how to maintain a healthy lifestyle throughout their adult lives. There are a broad range of topics covered in developing a healthy lifestyle such as: making responsible food choices, costs and problems of drug use, preventing and treating communicable and non-communicable diseases, handling emergencies, benefits of physical fitness, understanding your emotions, and building healthy relationships. Students will attend both classes each week during the semester.			

Course: Driver and Traffic Safety Education (290001)			
Grade: 9-10	Credit(s): ½	Prerequisite(s): 15 or older	Fee: \$35
Course Description: This course is a basic introduction of the fundamentals necessary for safe and responsible driving. Driver education develops an understanding and adaptation to traffic in terms of knowledge, attitudes, and skills. Duration of the course involves 30 hours of classroom instruction and 4-6 hours of behind-the-wheel instruction per semester. The goal of the classroom instruction phase is for students to learn the fundamentals of safety and responsibility within the driving environment. During classroom instruction, nine areas are addressed including highway license requirements, traffic laws, responsible ownership, driving procedures and maneuvers, sharing the road with motorized and non-motorized users, factors related to youthful drivers, physical and mental impairments, driving environments and conditions, and boating safety. The behind-the-wheel instruction phase is performance based as it gives beginning drivers actual driving experience under the supervision of a certified driver education teacher during actual on-the-street/behind-the-wheel driving in an automobile with dual controls. Students may also take advantage of the third-party testing program (driving test) at Russellville High School. This program allows the driver education teacher to be a designated testing agent of the Alabama Department of Public Safety to administer the driver portion of the licensing exam.			

Fine Arts Course Descriptions

BAND

Course: Marching Band I (283102), Marching Band II (283202), Marching Band III (283302), Marching Band IV (283402)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): Approval of the band director and enrollment in either Instrumental Techniques, Concert Band, or Wind Ensemble	Fee:
Course Description: This group will meet each fall semester with rehearsals beginning in late July. The class will meet during skinny period with three rehearsals after school. The marching band performs at all Russellville High School football games as well as parades and competitions. This course also fulfills the required LIFE Physical Education credit.			

Course: Wind Ensemble I (283106), Wind Ensemble II (283206), Wind Ensemble III (283306), Wind Ensemble IV (283406)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): Approval of band director and enrollment in Marching Band	Fee:
Course Description: This is the most advanced of the ensembles and is designed for the student who is a highly competent performer. The student is challenged by music of the highest caliber, requiring more sophisticated understanding of complex rhythms, all key signatures, musical terminology, ensemble skills, and extra effort on the part of the student. Wind Ensemble is a major performing ensemble, and participation in concerts and festivals is required. After school rehearsals on an as needed basis.			

Course: Concert Band I (283100), Concert Band II (283200), Concert Band III (283300), Concert Band IV (283400)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): Approval of band director and enrollment in Marching Band	Fee:
Course Description: This course is for the student who has attained intermediate proficiency on his/her instrument. Music of increasing difficulty is presented with instruction designed to increase the range, flexibility, endurance, tone quality, and artistic interpretation of the student. This group performs in school and public concerts. Attendance at extra rehearsals and all performances is required.			

Course: Instrumental Techniques (283116)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): Approval of the band director and enrollment in either Instrumental Techniques, Concert Band, or Wind Ensemble	Fee:
Course Description: This course is designed to develop musical performance skills for the beginner or novice musician			

VOCAL MUSIC

Course: Beginning Chorus (283600)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): None	Fee: \$25 Music literature
Course Description: This course is available for first-year choral students regardless of grade level. This ensemble will perform and compete in all choral activities, and students will be eligible for individual events throughout the year.			

Course: Advanced Chorus II (283700), Advanced Chorus III (283800), Advanced Chorus IV (283900)			
Grade: 10-12	Credit(s): 1	Prerequisite(s): Beginning Chorus	Fee: \$25 Music literature plus travel
Course Description: Students will qualify for this course through auditions and will participate in competitive vocal performances throughout the year.			

Course: Beginning Theory and Sight Reading (284750)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): None	Fee: \$25 Music Literature
Course Description: This course is available for all students who wish to advance their sight-reading and musical theory skills.			

THEATRE ARTS

Course: Musical Theatre I (285101), Musical Theatre II (285201), Musical Theatre III (285301), Musical Theatre IV (285401)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): Audition	Fee: \$70 Costume Fee
Course Description: This course is a performance course. Entry into this course is audition-based. The focus of this course is the performance of monologues, scenes, and songs, as well as participation in competitions and RHS Musical Theatre productions.			

Course: Technical Theatre Production (285102)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): RMS Performing Arts Tech or Director Approval	Fee: \$25 Materials
Course Description: This class is offered to students in grades nine through twelve interested in set design, set construction, sound design, lighting programming, and automated lighting control. The focus of this course is assisting with the production of the RHS musicals.			

ART

Course: Art 1 (286100)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): None	Fee: \$30 Art Supplies
Course Description: This is a beginning course in Art, which incorporates the elements of art and principles of design. It introduces a variety of art media such as drawing, painting, sculpture and pottery, arts and crafts, graphic/media design, and art history.			

Course: Art 2 (286200)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): Art 1 and instructor approval	Fee: \$30 Art Supplies
Course Description: This is an advanced course in Art taught in the fall in which incorporates the elements of art and principles of design. It continues the skills introduced in Art 1. It is an advanced level art course that includes a variety of art media such as drawing, painting, sculpture and pottery, arts and crafts, graphic/media design, and art history.			

Course: Art 3 (286300)			
Grade: 10-12	Credit(s): 1	Prerequisite(s): Art 1, Art 2, and instructor approval	Fee: \$30 Art Supplies
Course Description: This is an advanced course in Art taught in the fall which incorporates the elements of art and principles of design. It continues the skills introduced in Art 1 and Art 2. It is an			

advanced level art course that includes a variety of art media such as drawing, painting, sculpture and pottery, arts and crafts, graphic/media design, and art history.

Course: Art 4 (286400)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** Art 1, Art 2, Art 3, and instructor approval **Fee:** \$30 Art Supplies

Course Description: This is an advanced course in Art taught in the fall which incorporates the elements of art and principles of design. It continues the skills introduced in Art 1, Art 2 and Art 3. It is an advanced level art course that includes a variety of art media such as drawing, painting, sculpture and pottery, arts and crafts, graphic/media design, and art history.

Career Tech Course Descriptions

AGRISCIENCE

Course: Agriscience (420009)

Grade: 9-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:** \$25 Materials / Equipment

Course Description: This course provides students with a general overview of the Agriculture, Food, and Natural Resources cluster. This course contains five pathways—Power, Structure, and Technical Systems; Environmental and Natural Resources Systems; Animal Systems; Plant Systems; and Agribusiness Systems. Students will be involved in classroom and laboratory activities in each of the five pathway areas. Topics included in this course include career opportunities, safety, technology applications, agribusiness leadership, environmental science, soil science, plant science, forestry, animal science, aquaculture, wildlife science, pest management, woodworking, metalworking, small engines, electrical wiring, and plumbing.

Course: Fundamentals of Agriscience II (Building Construction) (420101)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:** \$25 Materials / Equipment

Course Description: Fundamentals of Agriscience is a course that provides students with a fundamental overview of the Agriculture, Food and Natural Resources cluster, which contains five pathways – Power, Structure, and Technical Systems; Environmental and Natural Resources Systems; Animal Systems, Plant Systems, and Agribusiness Systems. Emphasis will be placed on basic safety, construction math, hand tools, power tools, construction drawings, basic rigging, communication skills, employability skills, and material handling.

Course: Fish and Wildlife Management (420024)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:** \$25 Materials / Equipment

Course Description: Fish and Wildlife Management is a course that provides students with the opportunity to gain knowledge regarding the management of natural resources. Topics included in the course are career opportunities, outdoor safety, history, issues, classification, fish and wildlife ecology, fish and wildlife management, endangered species, fish and wildlife pest management, and outdoor recreation.

Course: Greenhouse Production and Management (420054)			
Grade: 10-12	Credit(s): 1	Prerequisite(s): None	Fee: \$25 Materials / Equipment
Course Description: Greenhouse Production and Management is a course related to the production of greenhouse crops. Topics include career opportunities, safety, plant propagation, growing media, plant identification, greenhouse production, pest control, business management, and equipment and facilities. The hands-on approach to learning is a key component in this course.			

Course: Horticultural Science (420051)			
Grade: 10-12	Credit(s): 1	Prerequisite(s): None	Fee: \$25 Materials / Equipment
Course Description: Topics in Horticultural Science include career opportunities, safety, plant physiology, growing media, greenhouse facilities, greenhouse and nursery crop production, plant identification and classification, pest management, hydroponics and vegetable gardening, and technological application.			

Course: Landscape Design and Management (420057)			
Grade: 10-12	Credit(s): 1	Prerequisite(s): None	Fee: \$25 Materials / Equipment
Course Description: The Landscape Design and Management course allows students to become more knowledgeable about and appreciative of landscape design and management. Topics include career opportunities, safety, landscape design, plant selection, landscape growth and the environment, landscape establishment and management, interior plantscaping and xeriscaping, landscape business management, and technology. This course is offered every other year.			

Course: Forestry (420020)			
Grade: 10-12	Credit(s): 1	Prerequisite(s): None	Fee: \$25 Materials / Equipment
Course Description: Forestry is a course designed to enable students to become knowledgeable of forestry and wood technology. Students acquire an appreciation for increased emphasis on managing and conserving forests for the future. Topics include career opportunities, safety, history, dendrology, tree measurement, mapping, silviculture, forest products, and forest protection.			

AUTOMOTIVE SERVICE TECHNOLOGY

The Automotive Service Technology Class (Automobile Mechanics) provides classroom and laboratory experiences using current and emerging technologies in automotive service theory and repair. This course includes training in the use of computer and other electronic diagnostic and testing equipment, technical manuals, and problem-solving methods. Instruction and practice are provided in malfunction diagnosis, disassembly of system components, and parts inspection and repair. Student instruction and training are also provided in the proper care, use, and maintenance of tools and equipment. Applicable information is provided regarding federal, state, and local safety and environmental regulations also.

Course: Auto Technology 1 (Maintenance and Light Repair A & B) (570071 & 570072)			
Grade: 10-12	Credit(s): 2	Prerequisite(s): None	Fee: \$10 per Semester
Course Description: The first part of this course prepares students for entry into Automotive Maintenance and Light Repair B. 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. The second part of this course prepares students for entry into Automotive Maintenance and Light Repair C. Students study automotive general electrical systems,			

starting and charging systems, batteries, lighting, and electrical accessories. Content emphasizes beginning transportation service skills and workplace success skills.

Course: Auto Technology 2 (Maintenance and Light Repair C & D) (570073 & 570074)

Grade: 10-12 **Credit(s):** 2 **Prerequisite(s):** Auto Tech 1 **Fee:** \$10 per Semester

Course Description: The first part of this course prepares students for entry into Automotive Maintenance and Light Repair D. Students study and service suspension and steering systems, and brake systems. Content emphasizes beginning transportation service skills and workplace success skills. The second part of this course prepares students for entry into the automotive workforce or into post-secondary training. Student's study and service automotive HVAC systems, engine performance systems, automatic and manual transmission/transaxle systems, as well as practice workplace soft skills.

Course: Auto Technology 3 (Service Tech A & B) (570075 & 570076)

Grade: 10-12 **Credit(s):** 2 **Prerequisite(s):** Auto Tech 1 & 2 **Fee:** \$10 per Semester

Course Description: The first part of this course further prepares students for entry into the automotive workforce or post-secondary training. Students continue their studies of automotive systems but in more depth and detail. The second part of this course further prepares students for entry into the automotive workforce or post-secondary training. Students continue their studies of automotive systems but in more depth and detail.

Course: Painting and Refinishing I (Belgreen) (570030)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:** \$10 per Semester

Course Description: This course will run all year and is located at the Franklin County Career Technical Center in Belgreen. This is a one-credit course designed to provide students with an introduction to current technologies in the basic principles of automotive finishes. **This course is taught at the Franklin County Career Technical Center.**

Course: Painting and Refinishing II (Belgreen) (570031)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** Painting and Refinishing I **Fee:** \$10 per Semester

Course Description: A one-credit course that provides students with specialized classroom and laboratory experiences in the application of various topcoats. **This course is taught at the Franklin County Career Technical Center.**

BUSINESS

Course: Career Preparedness (400025)

Grade: 9 **Credit(s):** 1 **Prerequisite(s):** None **Fee:**

Course Description: Career Preparedness focuses on three integrated areas of instruction – academic planning and career development, financial literacy, and technology. Course content ranges from college and career preparation, to computer literacy skills, to ways to manage personal finances. Simulations and projects promoting leadership skills offer further opportunities for application of knowledge and skills. Acquisition of these skills is achieved by incorporating content and strategies that allow students to meet the required 20-hour online experience as defined by the ALSDE.

Course: Career Preparedness B (400027)

Grade: 9 **Credit(s):** ½ **Prerequisite(s):** Career Prep A **Fee:**

Course Description: This course prepares students with knowledge and skills in the areas of career development and academic planning and financial literacy. The required 20-hour online experience can be met by successful completion of both Career Preparedness A and Career Preparedness B. **Students who attended RMS should have completed the first part of this class in 8th grade.**

Course: Accounting (470012)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** Career Prep (Business Course) **Fee:** \$30 Workbook / Equipment

Course Description: This course is designed to place emphasis on basic principle, concepts, and procedures of accounting. Students are introduced to techniques of keeping special types of related office equipment. Computer accounting applications and computer spreadsheets are also incorporated into the course. Students will gain valuable experience by completing business records for simulated businesses. This course is vital for anyone interested in a business career. This course is also helpful for students wanting to learn how to complete personal budgets, keep track of checking accounts, file taxes, and handle personal finances.

Course: Advanced Accounting (470013)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** Career Prep (Business Course) and Accounting **Fee:** \$30 Workbook / Equipment

Course Description: This course offers increased emphasis in the “why” of accounting and a blend of advanced accounting principles and procedures using modern accounting tools. Throughout this course students will use computer accounting applications and modern accounting tools such as computer spreadsheets. Students will also be introduced to work simulations in order to explore career opportunities.

Course: Business Technology Applications (450006)

Grade: 9-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:** \$20 Materials Equipment

Course Description: A one-credit foundation course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications.

Course: Advanced Business Technology Applications (450031)

Grade: 9-12 **Credit(s):** 1 **Prerequisite(s):** Career Prep (Business Course) **Fee:** \$30 Materials / Equipment

Course Description: This course is designed to provide students with skills in computer technology and using integrated software with basic business applications. This course utilizes computers as a business tool through the use of database, spreadsheet, word-processing, and presentation software, along with Internet research. This course is a must for anyone wanting to attend college. A major emphasis is placed on guiding students through real-world experiences to ease the school-to-career transition. Students can receive college credit for CIS 146 through NWSCC for this course.

Course: Entrepreneurship

Grade: 9-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:**

Course Description: This course provides students with the skills needed to effectively organize, develop, create, and manage a business. This course includes business management and entrepreneurship, communication and interpersonal skills, economics, and professional development foundations.

Course: Management Principles (Business Internship) (480011)			
Grade: 11-12	Credit(s): 1	Prerequisite(s): Career Prep (Business Course) and one other business course	Fee: \$20 Materials / Equipment
Course Description: A one-credit course designed to provide students with an understanding of the organizational functions of businesses, including quality concepts, project management, and problem solving. Specific content standards to be included in each of the courses are indicated in the Course of Study chart. Students also participate in a business internship program. This is where students are placed in different businesses in the community to observe and obtain “hands-on” work experience during class time. Students must provide their own transportation for this program.			

Course: Multimedia Design (410016)			
Grade: 11-12	Credit(s): 1	Prerequisite(s): Advanced Bus. Tech. Applications and instructor approval	Fee: \$30 Materials / Equipment
Course Description: Multimedia Design (T4—Teens Teaming with Teachers and Technology) is designed to provide students with skills involving presentations, desktop publishing, web publishing, and digital graphics. In this class, students will work with one or more teachers to incorporate technology into one or more lesson plans. These projects will range from PowerPoint Presentations, to video production, to web pages.			

Course: Multimedia Publications (Annual Staff) (410017)			
Grade: 12	Credit(s): 1	Prerequisite(s): Career Prep, Advanced Business Technology, and instructor approval	Fee: \$20 Materials / Equipment
Course Description: This course is designed to provide students with the ability to utilize digital equipment and multimedia digital imaging software, produce interactive media projects, and develop publication layouts. Students use various hardware peripherals as well as the Internet for integrating skills to create a variety of publications (yearbook, newspaper, newsletters, program books, etc.). This is a senior course and students must be pre-approved by the instructor.			

CAREER OPPORTUNITIES

Course: Career Pathway Project / College & Career Experience (450032)			
Grade: 11-12	Credit (s): 1	Prerequisite(s): Completion of a minimum of two sequenced courses in the same CTE Program.	Fee:
Course Description: During this course students will engage in the extensive exploration of their career field and will employ problem-solving, decision-making, and independent learning skills in the development and submission of a pathway project during each grading period of the semester. This is a one-credit course designed for senior career tech students that have taken two related career tech courses. Enrollees are subject to administrative approval. Students must be classified as a senior in good standing in order to enroll in this course.			

Course: Early Dismissal (802111)			
Grade: 11-12	Credit (s): 0	Prerequisite(s): Must have a part –time job and provide pay stub on a monthly basis	Fee:
Course Description: This course will allow students to leave campus early and go to their part-time job. Enrollees are subject to administrative approval. Students must be classified as a junior or senior in good standing AND be considered college and career ready in order to leave campus early. THIS COURSE DOES NOT AWARD CREDIT.			

COMPUTER SCIENCE

Course: Computer Science Discoveries (520045)			
Grade: 9	Credit(s): 1	Prerequisite(s): None	Fee:
Course Description: Computer Science Discoveries is a full-year introductory computer science survey course for students in Grades 9. The course takes a wide lens on computer science by covering topics such as programming, physical computing, HTML/CSS, and data. Students are empowered to create authentic artifacts and engage with CS as a medium for creativity, communication, problem solving, and fun.			
Course: Computer Science Explorations (520043)			
Grade: 9-10	Credit(s): 1	Prerequisite(s): Completed or concurrently enrolled in Algebra I	Fee:
Course Description: Exploring Computer Science is an introductory year-long high school computer science course for students in Grades 9-10 focused on foundational computer science concepts and computational practices. Students will be introduced to the breadth of the field of computer science through an exploration of engaging and accessible topics. The course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues. Exploring Computer Science is designed to be a college preparatory high school course and thus, should provide a rigorous, but accessible, introduction to computer science. No previous computer science experience is required.			

Course: AP Computer Science Principles (520018)			
Grade: 10-12	Credit(s): 1	Prerequisite(s): None	Fee: AP Exam Fee
Course Description: A one credit college-level course following the curriculum established by the College Board Advanced Placement (AP) program for computer science; emphasizes object-oriented programming methodology with a concentration on problem-solving and algorithm development. *This course may also serve as a math credit.			

COSMETOLOGY

Cosmetology courses are articulated classes that will transfer to college credit. Students who are eligible and successfully pass the class will receive college credit. Students may take a cosmetology course beginning their freshman year. A tuition fee of \$100.00 must be paid before credit is awarded. Students who owe tuition will not be allowed to take additional classes. These courses give students hands-on training in a variety of performance skills such as: manicures, pedicures, facials, cosmetic application, shampooing and conditioning treatments, hair cutting, hair styling, braiding, up-do's, pin curling, permanent waving, and hair coloring.

Students will also gain knowledge concerning professionalism, salon management, safety and sanitation, properties of the hair, and the science of chemistry as it relates to the cosmetology field. There are six possible cosmetology courses that may be taken at RHS. Each course is a prerequisite to the next. The tuition fee must be paid for each class. Upon successful completion and paid tuition for each course, students will earn college credit.

Course: Cosmetology I (510060) (COS111)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): None	Fee: \$100
Course Description: This course is designed to provide students with a study of concepts related to the cosmetology profession. Students gain initial practical experience in sanitation, shampooing, hair shaping, and hairstyling and is not limited to manicures, pedicure, facial care, cosmetics, shampooing, and conditioning theory.			

Course: Cosmetology II (802208ah) (COS112-Lab)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): Cosmetology I	Fee: \$100
Course Description: Hair Cutting, Hair Styling, Extensions Laboratory *This course must be taken year-long with Cosmetology I in order to receive college articulation credit.			

Course: Cosmetology III (510062) (COS113)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): Cosmetology II	Fee: \$100
Course Description: This course is designed to focus on the theory of chemical services related to chemical hair texturing. Students gain initial, practical experience in performing various chemical texturing activities. (Hair Coloring and Permanent Waving, Chemical Relaxing, and Soft Curly Perms Theory)			

Course: Cosmetology IV (802208ai) (COS114-Lab)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): Cosmetology III	Fee: \$100
Course Description: Permanent Waving, Laboratory *This course must be taken year-long with Cosmetology III in order to receive college articulation credit.			

Course: Cosmetology V (510063) (COS117)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): Cosmetology IV	Fee: \$100
Course Description: This course focuses on the structure and function of various systems of the body. This course also provides hands-on experiences in facial massage techniques, skin care, and hair removal.			

Course: Cosmetology VI (510064) (COS118-Lab)			
Grade: 9-12	Credit(s): 1	Prerequisite(s): Cosmetology V	Fee: \$100
Course Description: Basic Spa Techniques Laboratory *This course must be taken year-long with Cosmetology V in order to receive college articulation credit.			

ENGINEERING ACADEMY

Course: Engineering I – Foundations of Engineering (560011)			
Grade: 9	Credit(s): 1	Prerequisite(s): Admission to Engineering Academy	Fee:
Course Description: Foundations of Engineering is a course designed to offer students an overview of the engineering profession and fundamental skills utilized in general engineering. Students investigate various engineering disciplines and related career paths. They develop communication and teamwork skills as well as increase their understanding of basic scientific and mathematical principles used in problem solving through the engineering design process			

Course: Engineering II – Engineering Applications (560012)			
Grade: 10	Credit(s): 1	Prerequisite(s): Engineering I	Fee:
Course Description: Engineering Applications is a one-credit course designed to explore the application of engineering principles in various technological areas including construction, transportation, communication, manufacturing, and bioengineering. Students gain knowledge and experience needed to effectively improve processes and systems in each of these areas.			

Course: Engineering III – Engineering Systems (560013)			
Grade: 11	Credit(s): 1	Prerequisite(s): Engineering II	Fee:

Course Description: Engineering Systems is a course designed to enable students to explore systems involved in the engineering research and design process. Topics include fluid, thermal, mechanical, and electrical systems. Students gain knowledge of each type of system and common interactions among them. The prerequisite for this course is Algebra II.

Course: Engineering IV – Engineering Research and Design (560014)

Grade: 12 **Credit(s):** 1 **Prerequisite(s):** Engineering III **Fee:**

Course Description: Engineering Research and Design is a capstone course in the engineering field recommended for students in Grades 11–12. The course enables students to make an informed career choice through the study and application of mechanical, electrical, and other engineering systems. Students conduct research and design engineering projects to enhance abilities and expand interest in the field of engineering. Projects reinforce the application of communication, mathematics, and science. Computer technology applications are utilized extensively in this course to enable students to visualize, model, prototype, solve, and report comprehensive design problems.

Course: Introduction to Robotics and Rocketry (540031)

Grade: 9-12 **Credit(s):** 1 **Prerequisite(s):** Must be a member of the Robotics and/or Rocketry Team **Fee:**

Course Description: A one-credit course designed to introduce students to the fundamentals of robotics. The course emphasizes fundamentals of electrical current, digital circuits, electronic control systems, and the design and operation of robotic systems.

HEALTH SCIENCE

Course: Foundations of Health Science (490007)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:** \$25 Classroom

Course Description: This is a one-credit course that introduces students to a wide range of health careers. Integrated academics combined with health care knowledge and skills provide the framework for a strong health care delivery system in the 21st century. This course is the prerequisite for all the health science courses except for Medical Terminology. It is recommended for students who want to prepare for further study in an array of health-related fields at the postsecondary level.

Course: Health Science Internship I (490013)

Grade: 11-12 **Credit(s):** 1 **Prerequisite(s):** Foundations of Health and Therapeutic Services **Fee:** \$20 Classroom
\$20 Clinical

Course Description: This is a one credit course provides students with the knowledge and skills necessary for becoming a healthcare worker or for preparing students for postsecondary health care education programs. Theory and laboratory components comprise at least 10% of the course. Health Science Internship 1 is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other health care facility.

Course: Health Science Internship II (490014)

Grade: 11-12 **Credit(s):** 2 **Prerequisite(s):** Foundations of Health and Therapeutic Services **Fee:** \$20 Classroom
\$20 Clinical

Course Description: This is a two-credit course that provides students with the knowledge and skills necessary for becoming a healthcare worker or for preparing students for postsecondary health care education programs. Theory and laboratory components comprise at least 10% of the course. Health Science Internship 1 is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other health care facility. **This course is a year-long course that meets every day.**

Course: Medical Terminology: Dual Credit / Dual Enrollment (901410)			
Grade: 12	Credit(s): 1	Prerequisite(s): None	Fee: \$25 Classroom NWSCC Tuition
Course Description: This is a one-credit course that is currently being offered as a dual credit/ dual enrollment course through Northwest-Shoals Community College that is designed for students to develop health care specific knowledge for a career in the medical field. The course uses an integrated approach for teaching the language of medicine to the health care student by incorporating medical terminology with anatomy and physiology and the disease process. Upon successful completion of this course, students will earn college credit for OAD 211 through NWSCC.			

Course: Medical Coding (490035)			
Grade: 11-12	Credit(s): 1	Prerequisite(s): Foundations of Health Science & Medical Terminology	Fee: \$25 Classroom
Course Description: This course is designed for students to gain knowledge about basic principles of coding and clinical classification systems. Students will study reimbursement methodologies, health records and data, health information requirements and standards, patient confidentiality, privacy, legal, and ethical issues. The course uses an integrated approach for teaching coding competencies by incorporating theory, lab, and application of skills. Medical Coding is recommended as a senior level course after completing Medical Terminology and Human Body Structures and Functions. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials and technology appropriate to the course content and in accordance with current practices. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.			

Course: Nurse Aide Training (490034)			
Grade: 12	Credit(s): 2	Prerequisite(s): Foundations of Health	Fee: \$30 Classroom \$20 Clinical
Course Description: This is a two-credit course, scheduled during both semesters, that is designed for high school seniors to develop health care specific knowledge for a career in the medical field. Students will pursue skill mastery in the classroom, laboratory, and also participate in intensive job-specific training in the clinical area. Students must successfully complete an approved program and pass the National Nurse Aide Assessment certification exam in order to become a Certified Nurse Aide (CNA).			

Course: Introduction to Pharmacy (490022)			
Grade: 12	Credit(s): 1	Prerequisite(s): Foundations of Health Science	Fee: \$300
Course Description: Introduction to Pharmacy is a one-credit course that introduces senior students to the pharmacy profession. Course content emphasizes the history of medicine, mathematics, technology, and legal issues. This course has a laboratory component allowing students the opportunity to observe skills learned in class at local pharmacies. Upon successful completion of this course, students are eligible to take the Pharmacy Technician Certification once they have obtained their high school diploma.			

Course: Emergency Medical Services: EMS118 (941208)			
Grade: 12	Credit(s): 1	Prerequisite(s): None	Fee: Free
Course Description: This course is required to apply for certification as an Emergency Medical			

Technician. This course provides students with insights into the theory and application of concepts related to the profession of emergency medical services. Specific topics include: EMS preparatory, airway maintenance, patient assessment, management of trauma patients, management of medical patients, treating infants and children, and various EMS operations. This course is based on the NHTSA National Emergency Medical Services Education Standards. Upon successful completion of this course, students will earn college credit for EMS118 through NWSCC. **NWSCC tuition fee may be waived if funds available.**

Course: Emergency Medical Services: EMS119 (941209)

Grade: 12 **Credit(s):** 1 **Prerequisite(s):** EMS 118 **Fee:** Free

Course Description: This course is required to apply for certification as an EMT. This course provides students with clinical education experiences to enhance knowledge and skills learned in the EMS 118, Emergency Medical Technician Theory and Lab. This course helps students prepare for the National Registry Exam. Upon successful completion of this course, students will earn college credit for EMS 119 through NWSCC. **NWSCC tuition fee may be waived if funds available.**

FAMILY AND CONSUMER SCIENCES

Course: Family and Consumer Science (510004)

Grade: 9-10 **Credit(s):** 1 **Prerequisite(s):** None **Fee:** \$30 Grocery Equipment

Course Description: Family and Consumer Science is designed for 9th and 10th grade students as a general course. The focus is on preparing the student to establish and maintain a satisfying home and family life and work life. Course Content provides opportunities for students to explore family food, clothing, technology, relationships and resource management. Family, Career and Community Leaders of America (FCCLA) is an integral part of the curriculum, enhances leadership development skills and provides opportunities for community service. ServSafe Managers Certification Credential offered.

Course: Parenting (510023)

Grade: 10-12 **Credit(s):** 1 **Requirement:** Participation in an Infant Simulation for 1 weekend during the semester **Fee:** \$15 Material Equipment

Course Description: This course focuses on knowledge and skills related to family life and child development. This course includes the study of family dynamics, personal growth, preparation for marriage and parenthood, child growth and development, and career opportunities in family life and child development.

Course: Food Innovations and Media (510016)

Grade: 11-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:** \$60 Grocery Equipment

Course Description: Food Innovations and Media is a one-credit course taught in grades 10-12. Students will learn concepts related to food preparation techniques, healthy dietary choices, etiquette and the relation of diet to the current food supply and food production techniques. Students will also apply social media and digital design techniques, photographic styling applications, and journalism skills to market food items.

Course: Event Planning (510015)

Grade: 11-12 **Credit(s):** 1 **Prerequisite(s):** **Fee:** \$60 Grocery Equipment

Course Description: This is a one-credit course taught in grades 11-12. Students will learn concepts related to food preparation techniques, healthy dietary choices, and etiquette and learn to organize and plan all aspects of business and social events including the food, location, and décor associated with various events.

JROTC ARMY LEADERSHIP

For each JROTC course students are required to:

- Wear the JROTC issued uniform one day a week and on special occasions.
 - Adhere to JROTC grooming standards for correct uniform wear (including proper hair length for males.)
- Students may enroll in JROTC each semester while in school. Students will earn one elective credit for the successful completion of each course. JROTC also fulfills the required LIFE Physical Education credit.

Course: JROTC 1 (480041)			
Grade: 9	Credit(s): 1	Prerequisite(s): Must be 14 years or older	Fee:
Course Description: Unit 1 – Citizenship in Action: This course engages students in the practice of basic citizenship customs and traditions and explores the opportunities for non-military and military national service. *May count as PE credit and/or Career Preparation.			

Course: JROTC 2 (480042)			
Grade: 10-11	Credit(s): 1	Prerequisite(s): JROTC 1	Fee:
Course Description: Unit 2 – Leadership Theory and Application: This course accesses attributes of leadership, explores leadership styles and behaviors, analyzes situations that require leadership, and relates leadership skills to the JROTC program.			

Course: JROTC 3 (480043)			
Grade: 11-12	Credit(s): 1	Prerequisite(s): JROTC 1 and 2	Fee:
Course Description: Units 3-6 – Foundations of Army JROTC and Getting Involved / Service to the Nation: This course will help student cadets build essential skills needed to maximize learning potential and future success and lay the groundwork for service learning. Students will recognize the value of their varied learning styles and multiple intelligences. Student cadets will be able to apply learning strategies to improve their critical thinking, study, and communication skills. Student cadets will also be able to develop and expand their abilities to resolve conflict and prevent violence. These leadership units will help student cadets prepare for life after high school while helping them focus on career and personal planning.			

Course: JROTC 4 (480044)			
Grade: 11-12	Credit(s): 1	Prerequisite(s): JROTC 1-3	Fee:
Course Description: Units 3-6 – Foundations of Army JROTC and Getting Involved / Service to the Nation: This course will help student cadets build essential skills needed to maximize learning potential and future success and lay the groundwork for service learning. Students will recognize the value of their varied learning styles and multiple intelligences. Student cadets will be able to apply learning strategies to improve their critical thinking, study, and communication skills. Student cadets will also be able to develop and expand their abilities to resolve conflict and prevent violence. These leadership units will help student cadets prepare for life after high school while helping them focus on career and personal planning.			

WELDING

These are Dual Credit/Dual Enrollment classes offered by Northwest Shoals Community College. Students who are eligible and successfully pass the class will receive college credit. Students may take one welding class each semester beginning their sophomore year. Under the student workforce development grant, students should obtain a final “B” average in each welding course before they can take an additional welding course.

Course: Welding 1: Dual Credit / Dual Enrollment (WDT 108 / 922829)			
Grade: 10-12	Credit(s): 1	Prerequisite(s): None	Fee: Free
Course Description: This course provides students with instruction in safety practices and			

terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of oxy-fuel cutting, carbon arc cutting, and plasma arc cutting. Upon successful completion of this course, students will earn college credit for Welding 108 through NWSCC. NWSCC tuition fee may be waived if funds available.

Course: Welding 2: Dual Credit / Dual Enrollment (WDT 122 / 922831)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** Welding 1 **Fee:** Free

Course Description: This course provides students with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of carbon arc cutting and plasma arc cutting. Upon successful completion of this course, students will earn college credit for Welding 122 through NWSCC. NWSCC tuition fee may be waived if funds available.

Course: Welding 3: Dual Credit / Dual Enrollment (WDT 109 / 922830)

Grade: 11-12 **Credit(s):** 1 **Prerequisite(s):** Welding 1 & 2 **Fee:** Free

Course Description: This course provides students with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of carbon arc cutting and plasma arc cutting. Upon successful completion of this course, students will earn college credit for Welding 109 through NWSCC. NWSCC tuition fee may be waived if funds available.

Course: Welding 4: Dual Credit / Dual Enrollment (WDT 123 / 922832)

Grade: 11-12 **Credit(s):** 1 **Prerequisite(s):** Welding 1, 2, & 3 **Fee:** Free

Course Description: This course is designed to introduce students to the proper set-up and operation of the shielded metal arc welding equipment. Emphasis is placed on striking and controlling the arc, and proper fit up of fillet joints. This course is also designed to instruct students in the safe operation of plasma arc and carbon arc cutting. Upon completion, students should be able to make fillet welds in all positions using electrodes in the F-4 groups in accordance with applicable welding code and be able to safely operate plasma arc and carbon arc equipment and perform those operations as per the applicable welding code. Upon successful completion of this course, students will earn college credit for Welding 123 through NWSCC. NWSCC tuition fee may be waived if funds available.

Other Elective Course Descriptions

Course: ACT Test Prep (802104aa)

Grade: 10-12 **Credit(s):** 1 **Prerequisite(s):** None **Fee:**

Course Description: This course provides students with an in-depth practice of the ACT while building test-taking skills. Successful completion of this course counts as one elective credit.

Course: Peer Helper / Leadership (802207)			
Grade: 11-12	Credit(s): 1	Prerequisite(s): Subject to Director approval/recommendation from a teacher in a core subject	Fee:
Course Description: Peer Helpers is a group of diverse, enthusiastic students dedicated to making the school environment better for everyone. Life skills are gained through training and practice in communication skills, problem-solving techniques, and decision-making strategies as they relate to peer tutoring, mentoring, and conflict resolution. Students are assigned to work as tutors and/or mentors. Students learn group facilitation techniques and public speaking skills.			

Course: Sports Officiating (240011)			
Grade: 10-12			
Course Description: This course is an elective course that focuses on the professional philosophy, and professional requirements for officiating sports for athletic contests. This course will cover officiating football, basketball, wrestling, volleyball, soccer, baseball, track and field, and softball. Upon completion of the course students will be afforded the option to take certification exams for any of the sport components to become a restricted certified official with the Alabama High School Athletic Association at the middle/junior high school level. The student must be age 16 or older, or turn age 16 during the academic school year.			

Course: Teen Leadership (802207ab)			
Grade: 9	Credit(s): ½	Prerequisite(s):	Fee:
Course Description: Teen Leadership is a class in which students develop leadership, professional, and business skills. They learn to foster a healthy self-concept, healthy relationships, and learn to understand the concept of personal responsibility including social media's impact on image. Students will develop an understanding of Emotional Intelligence and the skills it measures, which includes self-awareness, self-control, self-motivation, and social skills. Students also develop skills in public speaking and communication. They will understand the concept of principle-based decision-making and learn to make responsible financial decisions. In addition, students will develop an understanding of the effects of peer pressure, skills to counteract those effects, bullying prevention and defending skills, and will problem-solving skills. Throughout the class, students will employ various technologies to support and empower them to take their skills to the next level. Students will acquire an understanding of the principles of parenting, enabling them to become better family members and citizens. As members of a community, students also develop leadership skills practiced in the form of community service. They will also develop an understanding of the need for vision in goal-setting, both personally and professionally.			

Course: ESL Bilingual Peer Helper / Leadership (802207aa)			
Grade: 10-12	Credit(s): 1	Prerequisite(s): Subject to Director approval	Fee:
Course Description: Peer Helpers is a group of diverse, enthusiastic students dedicated to making the school environment better for everyone. Life skills are gained through training and practice in communication skills, problem-solving techniques, and decision-making strategies as they relate to peer tutoring, mentoring, and conflict resolution. After nine weeks of training, students are assigned to work as tutors and/or mentors. Students learn group facilitation techniques and public speaking skills.			

Course: Speech – Fundamentals of Public Speaking (Dual Enrollment – UNA) (911801)			
Grade: 10-12	Credit(s): 1	Prerequisite(s): Min 16+ ACT English Subscore	Fee: UNA Tuition
Course Description: NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Oral reading; children's literature; delivering, selecting, organizing speeches; persuasion; poise and verbal skills. Upon successful completion of this course, students will earn college credit for COM201 through UNA.			

Course: Intermediate College Algebra: Math 100 (Dual Enrollment-NWSCC) (907611)			
Grade: 12	Credit(s): 1	Prerequisite(s): Min 20+ ACT Math Subscore	Fee: NWSCC Tuition
<p>Course Description: This course provides a study of algebraic techniques such as linear equations and inequalities, quadratic equations, systems of equations, and operations with exponents and radicals. Functions and relations are introduced and graphed with special emphasis on linear and quadratic functions. This course does not apply toward the general core requirement for mathematics.</p> <p>PREREQUISITE: MTH 092 or MTH 098 or appropriate mathematics placement score. Upon successful completion of this course, students will earn college credit for MTH100 through NWSCC.</p>			

Course: Pre-Calculus Algebra Math 112 (Dual Enrollment-NWSCC) (907601)			
Grade: 12	Credit(s): 1	Prerequisite(s): Min 21+ ACT Math Subscore	Fee: NWSCC Tuition
<p>Course Description: This course is a one semester combination of Precalculus Algebra and Precalculus Trigonometry intended for superior students. The course covers the following topics: the algebra of functions (including polynomial, rational, exponential, and logarithmic functions), systems of equations and inequalities, quadratic inequalities, and the binomial theorem, as well as the study of trigonometric (circular functions) and inverse trigonometric functions, and includes extensive work with trigonometric identities and trigonometric equations, vectors, complex numbers, DeMoivre's Theorem, and polar coordinates. PREREQUISITE: A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score is required. An alternative to this is that the student should successfully pass with a C or higher (S if taken as pass/fail) MTH 100 and receive permission from the department chairperson. Upon successful completion of this course, students will earn college credit for MTH112 through NWSCC.</p>			

OFF CAMPUS COURSE OFFERINGS

Franklin County Career Tech Center Offerings

The following courses listed below are offered at the Franklin County Career Technology Center located in Belgreen. Students taking these courses have the option to drive to these classes, or ride a bus that will be provided.

Course: Pre-Engineering Drafting (927001) (NWSCC Dual Enrollment)			
Grade: 10-12	Credit(s): 1	Prerequisite(s): None	Fee: Free
<p>Course Description: This course provides an introduction to basic Computer Aided Drafting and Design (CADD) functions and techniques, using “hands-on” applications. Topics include terminology, hardware, basic CADD and operating system functions, file manipulation, and basic CADD software applications in producing softcopy and hardcopy. Upon successful completion of this course, students will earn college credit for Drafting through NWSCC. NWSCC tuition fee may be waived if funds available. This course is taught at the Franklin County Career Technical Center.</p>			

Course: Industrial Maintenance (542521)			
Grade: 10-12	Credit(s): 1	Prerequisite(s): None	Fee:
<p>Course Description: This is the first of 3 required one-credit courses in the Industrial Maintenance Mechanical Technologies Pathway. It is designed to complete all core requirements for NCCER Core credentialing and to provide students with fundamental knowledge and skills emphasizing use of hand tools, power tools, theory and practice for use in the Industrial Maintenance industry. This entry-level</p>			

course is required for NCCER Industrial Maintenance Mechanical Level I credentialing. **This course is taught at the Franklin County Career Technical Center.**

Course: Cabinetmaking I (430021)
Grade: 10-12 Credit(s): 1 Prerequisite(s): None Fee:
Course Description: A one-credit course designed to provide students with fundamental knowledge and skills emphasizing the use of hand tools and stationary power tools, materials and hardware, various types of joinery, and component assembly and installation. This course is taught at the Franklin County Career Technical Center.

Course: Painting and Refinishing I (570030)
Grade: 10-12 Credit(s): 1 Prerequisite(s): None Fee: \$10 per Semester
Course Description: This is a one-credit course designed to provide students with an introduction to current technologies in the basic principles of automotive finishes. This course is taught at the Franklin County Career Technical Center.

Course: Painting and Refinishing II (570031)
Grade: 10-12 Credit(s): 1 Prerequisite(s): Painting and Refinishing I Fee: \$10 per Semester
Course Description: A one-credit course that provides students with specialized classroom and laboratory experiences in the application of various topcoats. This course is taught at the Franklin County Career Technical Center.

Russellville High School

Dual Enrollment Opportunities

(Students receive both high school and college credit for courses that they pass. Additional enrollment requirements must be met according to partner college.)

RHS Course Name	College Course	Partner College	Cost for Students	Location of Class
Emergency Medical Service (EMS)	EMS11 and EMS 119	NWSCC	**Free	RHS Campus
English 101	ENG101	NWSCC	*\$400+	RHS Campus
English 102	ENG102	NWSCC	*\$400+	
Industrial Maintenance	INT102	NWSCC	**Free	Franklin County Career Tech Center
Math 100	MTH100	NWSCC	*\$400+	RHS Campus
Math 112	MTH112	NWSCC	*\$400+	RHS Campus
Medical Terminology	MAT101	NWSCC	*\$400+	RHS Campus
Pre-Engineering Drafting	N/A	NWSCC	**Free	Franklin County Career Tech Center
Speech	COM201	UNA	*\$400+	RHS Campus
Welding I and II	WDT 108	NWSCC	**Free	RHS Campus
Welding III and IV	WDT 109	NWSCC	**Free	RHS Campus

***Costs are approximate and will be determined by the partner college.**

****Course is free based on grant receipt from partner college. If the college does not receive the grant for the upcoming school year, the course will not be free.**