

**Alamance-Burlington School System**

**2015-2016**

**High School  
Course  
Reference  
Guide**



**This document is also available online  
[www.abss.k12.nc.us](http://www.abss.k12.nc.us)**

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**Alamance-Burlington School System Course Reference Guide** is provided for students, parents, and educators as a guide for course selections made by students during their high school careers. The guide includes courses that are available to all students, descriptions of those courses, prerequisites for taking certain courses, and example sequences within certain curriculum areas. These example sequences are intended only as models for students to examine as they make their choices.

## **Using the Reference Guide**

Generally speaking, since our high schools operate on a traditional block schedule which includes two semesters, **students will select eight courses** to take each of their four years in high school. This guide is divided into sections based on the core academic areas, including English, Mathematics, Science and Social Studies. Additional sections include Foreign Language, Health and Physical Education, Special Programs, Arts Education, and Career/Technical Education. A section is also devoted to Occupational Education, which is a diploma pathway provided for students in our Exceptional Children Program who meet certain requirements. **Students should 1) read the descriptions of courses they are interested in, 2) gather information from counselors and teachers regarding the courses, and 3) make their selections during registration** following the process at their particular school. As these selections are made, careful consideration should be given to academic preparation, student interest, and necessary prerequisite courses. Students are encouraged to sign up for the most rigorous coursework available when possible.

## **Earn College Credit – In High School**

Every high school student in ABSS is encouraged to take advantage of the **opportunity to earn college credit while still in high school**. Some of these course opportunities are not listed in the course reference guide, but include: 1) Courses offered for ABSS students at Alamance Community College, 2) Elon University, and 3) Advanced Placement online courses available through the North Carolina Virtual Public School. **More information is available from your school guidance counselor regarding these programs.**

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# Registration Tips 2015-16

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Total Number of credits to Graduate:

- Class of 2016 = 25 Credits (Students who entered the 9<sup>th</sup> grade during the 2012-13 school year)
- Class of 2017 and Beyond = 28 Credits (Students who entered the 9<sup>th</sup> grade during the 2013-14 school year and beyond)
- Total Number of Possible Credits = 32

The UNC System requires a student to take a minimum of two credits in the same foreign language to be admitted to a UNC System University.

## Promotion of Students

High school students in the Alamance-Burlington School System shall be promoted from grade to grade by attaining credits that are earned through successful completion of specific courses. Promotion to the next grade at the end of each year is required to maintain drivers' license and athletic eligibility. Students and parents should consult with school administration for questions related to academic eligibility.

## Promotion Standards

- To be promoted from grade 9 to grade 10: a minimum of six (6) credits.
- To be promoted from grade 10 to grade 11: a minimum of twelve (12) credits.
- To be promoted from grade 11 to grade 12: a minimum of twenty (20) credits.

## Other Resources

- The link to the North Carolina Scholars Program is [NC Scholars Program](#)
- The link to the North Carolina Virtual Public School is [NCVPS](#)
- The link to the Career and College Promise Program is [ACC CCP](#)
- The link to Elon's Collegiate Start Program is [Elon Collegiate Start Program](#)

Note: Contact your school's athletic director for eligibility requirements.

Please contact your school counselor if you have additional questions.

## ABSS Future-Ready Core Graduation Requirements\*

### For Ninth Graders Entering in 2013-14 and Beyond Course and Credit Checklist

<b>English</b> (4 Credits)	1 Credit <input type="checkbox"/> Completed	1 Credit <input type="checkbox"/> Completed	1 Credit <input type="checkbox"/> Completed	1 Credit <input type="checkbox"/> Completed	
<b>Mathematics**</b> (4 Credits)	Math I <input type="checkbox"/> Completed	Math II <input type="checkbox"/> Completed	Math III <input type="checkbox"/> Completed	An Additional Math Class Above Math III <input type="checkbox"/> Completed	
<b>Science</b> (3 Credits)	Earth/Environmental Science <input type="checkbox"/> Completed	Biology <input type="checkbox"/> Completed		Chemistry or Physical Science <input type="checkbox"/> Completed	
<b>Social Studies</b> (4 Credits)	World History <input type="checkbox"/> Completed	Civics and Economics <input type="checkbox"/> Completed	American History I and American History II or AP US History*** <input type="checkbox"/> Completed	Additional Social Studies Course*** <input type="checkbox"/> Completed	
<b>Health &amp; Physical Education</b> (1 Credit)	1 Credit <input type="checkbox"/> Completed				
<b>Electives or Other Requirements</b> (12 Credits)	2 Elective credits of any combination from either: <ul style="list-style-type: none"> <li>▪ Career and Technical Education (CTE)</li> <li>▪ Arts Education</li> <li>▪ Second Languages</li> </ul>		4 Elective credits (four course concentration) strongly recommended from one of the following: <ul style="list-style-type: none"> <li>▪ Career and Technical Education (CTE)</li> <li>▪ JROTC</li> <li>▪ Arts Education (e.g. Dance, Music, Theatre Arts, Visual Arts)</li> <li>▪ Any other subject area (e.g. mathematics, science, social studies, English)</li> </ul>		
	1 Credit <input type="checkbox"/> Completed	1 Credit <input type="checkbox"/> Completed	1 Credit <input type="checkbox"/> Completed	1 Credit <input type="checkbox"/> Completed	1 Credit <input type="checkbox"/> Completed
<b>Second Language</b>	Not required for graduation. A two credit minimum is required for admission to a university in the UNC system. <input type="checkbox"/> Completed				
<b>TOTAL</b>	<b>28 Credits</b>				

\* State course and credit requirements may be one of several requirements students may need to meet in order to receive a high school diploma. Local districts and schools may impose additional graduation requirements. Students are encouraged to meet with their school counselors to make sure they are on track to earn a high school diploma.

\*\* A student, in rare instances, may be able to take an alternative math course sequence as outlined under State Board of Education Policy. Please see your school counselor for more details.

\*\*\* A student who takes AP US History instead of taking US History I and US History II must also take an additional social studies course in order to meet the four credits requirement.

Note: Please contact your school's athletic director for eligibility requirements.

## ABSS Future-Ready Core Graduation Requirements\*

### For Ninth Graders Entering in 2012-13 Course and Credit Checklist

English (4 Credits)	1 Credit <input type="checkbox"/> Completed	1 Credit <input type="checkbox"/> Completed	1 Credit <input type="checkbox"/> Completed	1 Credit <input type="checkbox"/> Completed	
Mathematics** (4 Credits)	Math I <input type="checkbox"/> Completed	Math II <input type="checkbox"/> Completed	Math III <input type="checkbox"/> Completed	An Additional Math Class Above Math III <input type="checkbox"/> Completed	
Science (3 Credits)	Earth/Environmental Science <input type="checkbox"/> Completed	Biology <input type="checkbox"/> Completed		Chemistry or Physical Science <input type="checkbox"/> Completed	
Social Studies (4 Credits)	World History <input type="checkbox"/> Completed	Civics and Economics <input type="checkbox"/> Completed	American History I and American History II or AP US History*** <input type="checkbox"/> Completed	Additional Social Studies Course*** <input type="checkbox"/> Completed	
Health & Physical Education (1 Credit)	1 Credit <input type="checkbox"/> Completed				
Electives or Other Requirements (9 Credits)	2 Elective credits of any combination from either: <ul style="list-style-type: none"> <li>▪ Career and Technical Education (CTE)</li> <li>▪ Arts Education</li> <li>▪ Second Languages</li> </ul>		4 Elective credits (four course concentration) strongly recommended from one of the following: <ul style="list-style-type: none"> <li>▪ Career and Technical Education (CTE)</li> <li>▪ JROTC</li> <li>▪ Arts Education (e.g. Dance, Music, Theatre Arts, Visual Arts)</li> <li>▪ Any other subject area (e.g. mathematics, science, social studies, English)</li> </ul>		
	1 Credit <input type="checkbox"/> Completed	1 Credit <input type="checkbox"/> Completed	1 Credit <input type="checkbox"/> Completed	1 Credit <input type="checkbox"/> Completed	1 Credit <input type="checkbox"/> Completed
Second Language	Not required for graduation. A two credit minimum is required for admission to a university in the UNC system. <input type="checkbox"/> Completed				
<b>TOTAL</b>	<b>25 Credits</b>				

\* State course and credit requirements may be one of several requirements students may need to meet in order to receive a high school diploma. Local districts and schools may impose additional graduation requirements. Students are encouraged to meet with their school counselors to make sure they are on track to earn a high school diploma.

\*\* A student, in rare instances, may be able to take an alternative math course sequence as outlined under State Board of Education Policy. Please see your school counselor for more details.

\*\*\* A student who takes AP US History instead of taking US History I and US History II must also take an additional social studies course in order to meet the four credits requirement.

Note: Please contact your school's athletic director for eligibility requirements.

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# English

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Language and literature are the content of an integrated English Language Arts program. The study of these areas includes the structure of the English language, its social and historical perspective, and the systematic exploration of literature. Students will engage in learning activities designed to improve their critical reading, writing, speaking and listening, as well as language skills.

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|--|--|
| <ul style="list-style-type: none"> <li>❖ English I</li> <li>❖ English I Honors</li> <li>❖ English II</li> <li>❖ English II Honors</li> <li>❖ English III</li> <li>❖ English III Honors</li> <li>❖ English III AP Language and Composition</li> <li>❖ English IV</li> </ul> | <ul style="list-style-type: none"> <li>❖ English IV Honors</li> <li>❖ English IV AP Literature and Composition</li> <li>❖ Yearbook Publication</li> <li>❖ Journalism</li> <li>❖ Creative Writing</li> <li>❖ Speech and Debate I</li> <li>❖ Speech and Debate II</li> <li>❖ Literacy Academy</li> </ul> |
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### Possible English Sequence

	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7
Sequence A	Literacy Academy	English I	English II A	English II	English III A	English III	English IV
Sequence B	English I	English II	English III	English IV			
Sequence C	English I Honors	English II Honors	English III Honors or AP	English IV Honors or AP			

## **Literacy Academy**

**Course Credit: 1 Unit**

Course Description: Literacy Academy is designed to assist students in mastering the prerequisite skills necessary for success in English I. Emphasis is placed on developing the literacy skills of reading and writing. Students will follow this course with English I. *This course provides one unit of elective credit, but does not count as one of the four English credits required to graduate meeting the future-ready core requirements.*

## **English I**

**Course Credit: 1 Unit**

Course Description: This academic course is designed for the student who aspires to post-secondary college or vocational experience. A survey of literary types, this course focuses on reading, writing, speaking and listening, and language; exploring ways that audience, purpose, and context shape oral communication, written communication, and media and technology. While emphasis is placed on communicating for purposes of personal expression, students also engage in meaningful communication for expressive, expository, argumentative, and literary purposes. Students should expect homework assignments and/or compositions that reinforce classroom instruction.

## **English I Honors**

**Course Credit: 1 Unit**

Course Description: This honors course is designed to challenge students and prepare them for a postsecondary experience. It concentrates on developing reading, writing, and critical thinking skills through an intensive survey of literary types via appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction.

## **English IIA**

**Course Credit: 1 Unit**

Course Description: English IIA is designed to assist students in mastering the prerequisite skills necessary for success in English II. Emphasis is placed on further developing the literacy skills of reading and writing. Students will follow this course with English II. *This course provides one unit of elective credit, but does not count as one of the four English credits required to graduate meeting the future-ready core requirements.*

## **English II**

**Course Credit: 1 Unit**

Course Description: This academic world literature course is designed for the student who aspires to post-secondary college or vocational experience. This class continues to build upon skills in reading, writing, speaking and listening, and language learned in English I. Writing instruction at this level focuses on mechanical correctness, fluency, and structure. Students should expect homework assignments and/or compositions that reinforce classroom instruction. *The North Carolina English II End-of-Course test will be administered at the conclusion of this course.*



## English II Honors

**Course Credit: 1 Unit**

Course Description: This honors course is designed to challenge students and prepare them for a postsecondary experience. This class builds upon reading, writing, and critical thinking skills through an intensive study of a variety of selected world literature via appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction. *The North Carolina English II End-of-Course test will be administered at the conclusion of this course.*

## English IIIA

**Course Credit: 1 Unit**

Course Description: English IIIA is designed to assist students in mastering the prerequisite skills necessary for success in English III. Emphasis is placed on further developing the literacy skills of reading and writing. Students will follow this course with English III. *This course provides one unit of elective credit, but does not count as one of the four English credits required to graduate meeting the future-ready core requirements.*

## English III

**Course Credit: 1 Unit**

Course Description: This academic American literature course is designed for the student who aspires to post-secondary college or vocational experience. This third English course addresses reading, writing, speaking and listening, and language. Writing instruction at this level focuses on mechanical correctness, fluency, and structure. The student is expected to function at grade level in communication and thinking skills. Students should expect homework assignments and/or compositions that reinforce classroom instruction.

## English III Honors

**Course Credit: 1 Unit**

Course Description: This honors course is designed to challenge students and prepare them for a postsecondary experience. This third English course concentrates on developing reading, writing, and critical thinking skills through an intensive study of selected American literature via appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction.

## English III AP Language and Composition

**Course Credit: 1 Unit**

Course Description: This college-level course provides an analytical and historical study of language and rhetoric in a comprehensive program of reading, writing, and critical thinking. As preparation to take the Advanced Placement Test in Language and Composition, students read, discuss, analyze, and write about challenging works of recognized textual merit to develop honest, concise, and effective use of language and the ability to organize ideas in a clear, coherent, and persuasive way. Independent rhetorical analysis and a total mastery of writing skills are goals of the course. Because this course meets the needs of academically gifted or highly motivated advanced students who hope to bypass introductory courses in composition and literature when they enter college, students in an AP course should expect assignments and instruction paced at the college level. *Students are expected to take the English III AP Language and Composition Examination. The student may earn college credit for successful completion of the course and AP examination.*

## English IV

**Course Credit: 1 Unit**

Course Description: This academic European literature course addresses reading, writing, speaking and listening, and language. Writing instruction at this level focuses on mechanical correctness, fluency, and structure. The student is expected to function at grade level in communication and thinking skills. Students should expect homework assignments and/or compositions that reinforce classroom instruction.

## English IV Honors

**Course Credit: 1 Unit**

Course Description: This honors course is designed to challenge students and prepare them for a postsecondary experience. This fourth English course concentrates on developing reading, writing, and critical thinking skills through an intensive study of selected British literature via appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. Students should expect homework assignments and/or compositions that reinforce classroom instruction.

## English IV AP Literature and Composition

**Course Credit: 1 Unit**

Course Description: This college-level course provides an analytical and historical study of British and world literature in a comprehensive program of reading, writing, and critical thinking. As preparation to take the Advanced Placement Test in Literature and Composition, students read, discuss, analyze, and write about challenging works of recognized literary merit to develop honest, concise, and effective use of language and the ability to organize ideas in a clear, coherent, and persuasive way. Independent literary analysis and a total mastery of writing skills are goals of the course. Because this course meets the needs of academically gifted or highly motivated advanced students who hope to bypass introductory courses in composition and literature when they enter college, students in an AP course should expect assignments and instruction paced at the college level. *Students are expected to take the English IV AP Literature and Composition Examination. The student may earn college credit for successful completion of the course and AP examination.*

## Yearbook Publication

**Course Credit: 1 Unit**

Course Description: Grade level requirements differ widely from school to school (see individual school's registration sheets). This course teaches the fundamentals of producing a high school yearbook. These fundamentals include photography, copy writing, advertising and sales, layout design, and desktop publishing. Enrollment is usually limited to the number of students needed to accomplish tasks required for creation, publication, and delivery of school yearbooks. Prior approval by the advisor of the schools yearbook staff is recommended.

## Journalism

**Course Credit: 1 Unit**

Course Description: Grade level requirements differ widely from school to school (see individual school's registration sheets). This course teaches the fundamentals of producing a high school newspaper. The study of journalism will include the basics of news writing, a brief history of journalistic ethics, and libel laws. Students will compose and produce various school publications. Opportunities will be provided for involvement in the media community beyond the classroom. Students should have skills in the areas of photography, keyboarding, and writing. Prior approval by the advisor is recommended.

## Creative Writing

**Course Credit: 1 Unit**

Course Description: This is an introductory level course designed to familiarize students with modern creative writing. The focus of this course is on the establishment of developed critical reading habits and creative responses to a wide variety of prompts, from poetry and prose, in terms of self-generated work. Students will write extensively and create a portfolio of work. Revision of written work is stressed, as are the formal elements of creative writing.

## **Speech and Debate I**

**Course Credit: 1 Unit**

Course Description: This course will offer students an opportunity to discover and develop their public speaking abilities. Students will learn how to effectively deliver a speech in front of an audience, and they will analyze famous speeches (both past and present) while incorporating proven techniques into their own presentations. The second half of the course will focus on the art of debate, including making arguments, refutations, and utilizing rhetorical devices.

## **Speech and Debate II**

**Course Credit: 1 Unit**

Course Description: Speech and Debate II is a course which offers students the opportunity to further develop their public speaking skills, both informative and persuasive. As this is fundamentally a skill-based class, students will be taught a plethora of techniques to enhance their oral communication. The first quarter is designed to challenge students with a variety of speaking activities with varying purposes, audiences, and intents; the second quarter primarily focuses on attaining success while speaking in a variety of debate styles.

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# Mathematics

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The North Carolina Standard Course of Study (NCSCOS) provides a set of mathematical content and practices for each high school course to ensure rigorous student academic performance standards that are uniform across the state. To graduate meeting Future-Ready Core Requirements all students must take and pass 4 math courses. These courses include Math I, Math II, Math III, PLUS a fourth mathematics course to be aligned with the students' after-high-school plans. Students seeking to complete the minimum application requirements for entrance to the UNC system must successfully complete 4 mathematics courses, which include a mathematics course with Math III as a pre-requisite. Elective courses are available to prepare students as needed to meet required courses for graduation. Course sequences may not be offered at all ABSS high schools each semester. Please contact your school guidance department to determine specific course offerings.

- ❖ **Introductory Mathematics**
- ❖ **Foundations of Math I**
- ❖ **Math I**
- ❖ **Foundations of Math II**
- ❖ **Math II**
- ❖ **Math II Honors**
- ❖ **Foundations of Math III**
- ❖ **Math III**
- ❖ **Math III Honors**
- ❖ **Discrete Mathematics**
- ❖ **Discrete Mathematics Honors**
- ❖ **Adv Functions & Modeling**
- ❖ **Essentials of College Math**
- ❖ **Pre-Calculus Honors**
- ❖ **Calculus AP (AB)**
- ❖ **Calculus AP (BC)**
- ❖ **Statistics AP**

*The courses below need to be assigned by a guidance counselor/administrator at each school.*

- ❖ **Alternate Mathematics I**
- ❖ **Alternate Mathematics II**

## To graduate meeting Future-Ready Core Requirements and Math Rigor Indicator Status:

- All students must take and pass 4 math courses Math I, Math II and Math III; PLUS a fourth mathematics course to be aligned with the students' after-high-school plans is required for graduation.
- Students seeking to complete the minimum application requirements for entrance to the UNC system must successfully complete four mathematics courses, which include a mathematics course with Math III as a pre-requisite.
- Elective courses are available to prepare students as needed to meet required courses for graduation.
- If a student is demonstrating unusual difficulty in mastering mathematics concepts, a school may determine based on evidence provided that a student could take alternative math courses in order to meet graduation requirements via math
- It is highly recommended that students take at least one math course per year.
- Course sequences may not be offered at all ABSS high schools each semester. Please contact your school to determine specific course offerings.

■ Denotes final course that must be completed in order to meet math requirements for graduation

	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7	Course 8
Sequence A	Introductory Math 20202 (Elective)	Foundations of Math I (Elective) 20502	Math I 21032	Foundations of Math II (Elective) 20510	Math II 22012	Foundations of Math III (Elective) 20522	Math III 23012	Essentials of College Math 24082
								AFM 24002
								Discrete Mathematics 24012
								CTE Course 4 <sup>th</sup> Math
Sequence B	Foundations of Math I (Elective) 20502	Math I 21032	Foundations of Math II (Elective) 20510	Math II 22012	Foundations of Math III (Elective) 20522	Math III 23012		Essentials of College Math 24082
								AFM 24002
								Discrete Mathematics 24012
								CTE Course 4 <sup>th</sup> Math
Sequence C	Math I 21032	Math II 22012 Math II Honors 22015	Math III 23012	Essentials of College Math 24082 AFM 24002 Discrete Mathematics 24012 Discrete Mathematics Honors 24015 Pre-Calculus Honors 24035	AP Statistics 25117			
			Math III Honors 23015					
Sequence D	Math II Honors 22015	Math III Honors 23015	Pre-Calculus Honors 24035	Calculus AP-AB 25017	Calculus AP-BC 25027	AP Statistics 25117	<i>This sequence assumes that a Math I credit was earned in middle school.</i>	

## **Introductory Mathematics**

**Course Credit: 1 Unit**

Course Description: This course includes the study of rational numbers, geometry, and algebraic structures, patterns and data analysis. Students will work with various types of manipulatives as well as appropriate technology. Curriculum for this course is Level 2 TransMath. *This course provides one unit of elective credit, but does not count as one of the four math credits required to graduate meeting the future-ready core requirements.*

## **Foundations of Math I**

**Course Credit: 1 Unit**

Course Description: Foundations of Math I is designed to assist students in mastering the algebraic skills necessary for success in Math I. Students will learn to (1) operate with the real numbers to solve problems; (2) find, identify, and interpret the slopes and intercepts of a linear relation; (3) visually determine a line of best fit for a given scatter plot, explain the meaning of the line, and make predictions using the line; (4) collect, organize, analyze, and display data to solve problems; (5) apply the Pythagorean Theorem to solve problems. Curriculum for this course is Level 3 TransMath. *This course provides one unit of elective credit, but does not count as one of the four math credits required to graduate meeting the future-ready core requirements.*

## **Math I**

**Course Credit: 1 Unit**

Course Description: The purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. This course deepens and extends understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also summarize, represent, and interpret data on a single count or measurement variable. The Geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course fulfills the North Carolina high school graduation requirement for Math I. The final exam is the North Carolina End-of-Course Test based on the Math 1 Standards.

## **Foundations of Math II**

**Course Credit: 1 Unit**

Course Description: Foundations of Math II is a course designed for students who have earned a Math I credit but require additional support in mastering the skills necessary for success in the second course. This course will allow students to develop the understanding of concepts through the use of manipulatives, technology, algebraic representation and development of problem solving skills. *This course provides one unit of elective credit, but does not count as one of the four math credits required to graduate meeting the future-ready core requirements.*

## **Math II**

**Course Credit: 1 Unit**

*Prerequisite: Math I*

Course Description: Math II continues a progression of the concepts presented in Math I. In addition to these standards, Math II includes: polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusions. This course fulfills the North Carolina high school graduation requirement for Math II. The final exam is the North Carolina Final Exam for Math II.

## **Math II Honors**

**Course Credit: 1 Unit**

*Prerequisite: Math I*

Course Description: Math II Honors continues to deepen the study of concepts presented in Math I. These concepts include: polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusions. This course contains additional concepts that will begin students' preparation for advanced math courses. This course fulfills the North Carolina high school graduation requirement for Math II. The final exam is the North Carolina Final Exam for Math II.

## **Foundations of Math III**

**Course Credit: 1 Unit**

Course Description: Foundations of Math III is a course designed for students who have earned a Math II credit but need additional support in mastering the skills necessary for success in the third math course. This course will give students the opportunity to build on prior algebraic concepts that include radicals, functions, equations and systems. *This course provides one unit of elective credit, but does not count as one of the four math credits required to graduate meeting the future-ready core requirements.*

## **Math III**

**Course Credit: 1 Unit**

*Prerequisites: Math II or Math II Honors*

Course Description: Math III progresses from the standards learned in Math I and Math II. In addition to these standards, Math III extends to include algebraic concepts such as: the complex number system, inverse functions, trigonometric functions and the unit circle. Math III also includes the geometric concepts of conics and circles. The final exam is the North Carolina Final Exam for Math III.

## **Math III Honors**

**Course Credit: 1 Unit**

*Prerequisites: Math II or Math II Honors*

Course Description: Math III progresses from the standards learned in Math I and Math II Honors. In addition to these standards, Math III Honors extends to include a deeper understanding of algebraic concepts such as: the complex number system, inverse functions, trigonometric functions and the unit circle. Math III Honors also includes the geometric concepts of conics and circles. The final exam is the North Carolina Final Exam for Math III.

## **Discrete Mathematics**

**Course Credit: 1 Unit**

*Prerequisites: Math III or Math III Honors*

Course Description: Discrete Mathematics introduces students to the mathematics of networks, social choice, and decision making. Students will use matrices and recursively-defined relationships to solve problems, as well as working with simulations for probability models. Applications and modeling are central to this course of study. Appropriate technology, from manipulatives to calculators and application software, should be used regularly in the classroom. The final exam for this course is the NC Final Exam for Discrete Mathematics.

## **Discrete Mathematics Honors**

**Course Credit: 1 Unit**

*Prerequisites: Math III or Math III Honors*

Course Description: Discrete Mathematics Honors is a more rigorous course that extends deeper into the concepts and provides opportunities for students to apply, model and investigate. The course extends students' application of matrix arithmetic and probability. Appropriate technology, from manipulatives to calculators and application software, should be used regularly for instruction and assessment. The final exam for this course is the NC Final Exam for Discrete Mathematics.

## Advanced Functions and Modeling

**Course Credit: 1 Unit**

*Prerequisites: Math III or Math III Honors*

Course Description: Advanced Functions and Modeling provides an in-depth study of modeling and applying functions. Linear, quadratic, cubic, trigonometric, exponential, logarithmic and piece-wise functions will be used to solve problems. Students will also analyze data and apply probability concepts to solve problems. Home, work, recreation, consumer issues, public policy, and scientific investigations are areas from which applications will originate. Appropriate technology will be used regularly for instruction and assessment. The final exam for this course is the NC Final Exam for AFM.

## Essentials of College Math

**Course Credit: 1 Unit**

*Prerequisites: Math III or Math III Honors*

Course Description: This course emphasizes understanding of math concepts rather than just memorizing procedures. Students learn the context behind the procedure: why to use a certain formula or method to solve a problem, for example. This equips them with higher-order thinking to apply math skills, functions and concepts in different situations. The course prepares students for college-level math assignments based on the content. This course is not designed to prepare students for college-level math in STEM majors.

## Pre-Calculus Honors

**Course Credit: 1 Unit**

*Prerequisite: Math III or Math III Honors*

Course Description: Pre-Calculus Honors provides students an honors-level study of trigonometry, advanced functions, analytic geometry, and data analysis in preparation for calculus. Applications and modeling will be included throughout the course of study. The final exam for this course is the NC Final Exam for Pre-Calculus Honors.

## Calculus AP

**Course Credit: 1 Unit**

*Prerequisite: Precalculus Honors*

Course Description: Advanced Placement Calculus is designed for those students who want to undertake studies on the college level. Students prepare to take the College Board standardized test and may receive credit based on their scores. The "AB" or "BC" curriculum will be taught. *Students are expected to take the AP examination. The student may earn college credit for successful completion of the course and an AP examination score that meets the college requirement.*

## Statistics AP

**Course Credit: 1 Unit**

*Prerequisites: Math III or Math III Honors*

Course Description: Advanced Placement Statistics is an introductory, non-calculus based, college course in statistics. The four major topics studied include organizing data, producing data: samples and experiments, probability: foundations of inference, and inference: conclusions with confidence. Students entering the course should be proficient in reading mathematical text and be willing to research independently outside of class time. *Students are expected to take the AP examination. The student may earn college credit for successful completion of the course and an AP examination score that meets the college requirement.*

## Alternate Mathematics I

**Course Credit: 1 Unit**

Course Description: Alternate Mathematics I provides learners an opportunity to apply mathematical concepts from Math I and Math II in practical situations while focusing on learning skills associated with information and communication technology.



## **Alternate Mathematics II**

**Course Credit: 1 Unit**

Course Description: Alternate Mathematics II provides learners an opportunity to apply mathematical concepts from Math I and Math II in financial situations while focusing on learning skills associated with information and communication technology.

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# Science

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The goal of the North Carolina Essential Standards for science is to achieve scientific literacy. The National Science Education Standards define scientific literacy as “the knowledge and understanding of scientific concepts and processes required for scientific decision making, participation in civic and cultural affairs, and economic productivity.”

North Carolina students can achieve scientific literacy through an instructional program based on the science component of the Essential Standards.

Students will develop the skills to:

- Find or determine answers to questions derived from everyday experiences.
- Describe, explain, and predict natural phenomena.
- Understand articles about science.
- Engage in non-technical conversation about the validity of conclusions.
- Identify scientific issues underlying national and local decisions.
- Pose explanations based on evidence derived from one’s own work

- ❖ **Anatomy & Physiology**
- ❖ **Anatomy & Physiology Honors**
- ❖ **Biology I**
- ❖ **Biology I Honors**
- ❖ **Biology II Honors**
- ❖ **Biology AP**
- ❖ **Chemistry I**
- ❖ **Chemistry I Honors**
- ❖ **Chemistry II Honors**
- ❖ **Chemistry AP**
- ❖ **Earth/Environmental Science**
- ❖ **Earth/Environmental Science Honors**
- ❖ **Environmental Science AP**
- ❖ **Intro to Forensic Science**
- ❖ **Forensic Science Honors**
- ❖ **Life Science Techniques**
- ❖ **Oceanography**
- ❖ **Physical Science**
- ❖ **Physics**
- ❖ **Physics Honors**
- ❖ **Physics AP**



## ABSS High School Science Sequence for Students Entering 9th Grade in 2015 - 2016

### To graduate meeting Future-Ready Core Requirements:

- All students must take and pass 3 science courses - Earth/Environmental, Biology, and a Physical Science.
- Course sequences may not be offered at all ABSS high schools each semester. Please contact your school to determine specific course offerings.

Denotes final course that must be completed in order to meet science requirements for graduation.

	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6
Sequence A	Earth/Environmental	Life Science Techniques (Elective)	Biology I	Physical Science		
				Chemistry I		
Sequence B	Earth/Environmental	Biology I	Physical Science	Science Elective		
			Chemistry I			
Sequence C	Biology I Honors	Chemistry I Honors	Earth/Environmental Honors	Science Elective		
			AP Environmental			
Sequence D	Biology I Honors	Earth/Environmental Honors	Chemistry I Honors	Biology II Honors	AP Biology	AP Physics or another course listed under Course 5
				Chemistry II Honors	AP Chemistry	
				AP Environmental	Biology II Honors	
					Chemistry II Honors	
Sequence E	Earth/Environmental Honors	Biology I Honors	Chemistry I Honors	Biology II Honors	AP Biology	AP Physics or another AP science listed under Course 5
				Chemistry II Honors	AP Chemistry	
				Science Elective	AP Environmental	

## **Anatomy and Physiology**

**Course Credit: 1 Unit**

*Recommended: Biology I or Biology I Honors*

Course Description: This course will include a study of human anatomy and physiology studies. The areas covered will include medical terminology, basic chemistry, cell and tissue structure, and the 11 systems of the human body (integumentary, skeletal, muscular, nervous, endocrine, circulatory, lymphatic, digestive, respiratory, urinary and reproductive). *This course provides one unit of elective credit and does not count as one of the science credits required to graduate meeting the future-ready core requirements.*

## **Anatomy and Physiology Honors**

**Course Credit: 1 Unit**

*Recommended: Biology I or Biology I Honors*

Course Description: This course is an advanced detailed study of the structure and function of the human body. This course is well suited for students interested in pursuing a career in allied health fields. Students will explore anatomical terminology, homeostasis, cytology, histology and body systems. Appropriate laboratory exercises accompany the curriculum to provide students relevant application opportunities. *This course provides one unit of elective credit and does not count as one of the science credits required to graduate meeting the future-ready core requirements.*

## **Biology I**

**Course Credit: 1 Unit**

Course Description: Biology I provide students a course in scientific inquiry, structure and function of living organisms, ecosystems, evolution and genetics, and molecular biology. The *Biology I End-of-Course Test as well as successful completion of this course will satisfy the state graduation requirement for Biology.*

## **Biology I Honors**

**Course Credit: 1 Unit**

Course Description: Biology I Honors is a more rigorous offering of the concepts in Biology I. Emphasis will be placed on greater depth of the concepts in order to increase critical thinking skills. *The Biology I End-of-Course Test as well as successful completion of this course will satisfy the state graduation requirement for Biology.*

## **Biology II Honors**

**Course Credit: 1 Unit**

Course Description: Biology II Honors is a second year Biology course designed for the scientifically oriented student. The curriculum may include anatomy and physiology, marine biology, behavior, genetics, zoology, survey of the six kingdoms, ecology, and recent research in the field of biology. It is recommended that this course be paired with Biology AP; however, it is not a requirement.

## **Biology AP**

**Course Credit: 1 Unit**

Course Description: Advanced Placement Biology is a rigorous college level introductory biology course following the Advanced Placement curriculum of the College Board. The curriculum includes molecules and cells, heredity/genetics, organisms and populations. It is expected that this course will require greater amounts of time and effort on the part of the student. Descriptive and experimental laboratory experiences will be assigned to provide maximum opportunity for students to learn a variety of skills and concepts. Students are expected to take the AP Biology Examination. It is recommended that this course be paired with Biology II Honors; however, this is not a requirement. *Students are expected to take the AP examination. A student may earn college credit for successful completion of the course and an AP examination score that meets the college requirement.*

## **Chemistry I**

**Course Credit: 1 Unit**

*Prerequisites: Biology I or Biology I Honors and Math II or Math II Honors*

Course Description: Chemistry I provides students a course focusing on scientific inquiry, structure and properties of matter, regularities in chemistry, energy changes in chemistry and chemical reactions. *This course satisfies the state graduation requirement in physical science.*

## **Chemistry I Honors**

**Course Credit: 1 Unit**

*Prerequisites: Biology I or Biology I Honors and Math II or Math II Honors*

Course Description: Chemistry I Honors is a more rigorous course offering of the concepts from the Chemistry I curriculum. Primary focus will be on mathematical computation and higher level cognitive reasoning as it relates to chemical principles. Students should have a strong reading and mathematical background, evidenced by academic achievement. A strong emphasis will be on the laboratory experience. *This course satisfies the state graduation requirement in physical science.*

## **Chemistry II Honors**

**Course Credit: 1 Unit**

*Prerequisites: Chemistry I or Chemistry I Honors*

Course Description: Chemistry II Honors is a companion course to AP Chemistry and provides students with a deeper understanding of concepts presented in Chemistry I. Focus is given to more complex problems and intensive laboratory work that involves quantitative measurements. The course prepares students for pursuing careers in engineering, pharmacy, chemistry, and health.

## **Chemistry AP**

**Course Credit: 1 Unit**

*Prerequisite: Chemistry II Honors*

Course Description: Advanced Placement Chemistry is a rigorous college level chemistry course that follows the Advanced Placement curriculum of the College Board. This course will involve complex chemical calculations. It is expected this college level course will require greater amounts of time and effort on the part of the student. Descriptive and experimental laboratory experience will be assigned to provide maximum opportunity for students to learn a variety of skills and concepts. *Students are expected to take the AP Chemistry Examination. The student may earn college credit for successful completion of the course and an AP examination score that meets the college requirement.*

## **Earth/Environmental Science**

**Course Credit: 1 Unit**

Course Description: The Earth/Environmental science curriculum focuses on the function of the earth's systems. Emphasis is placed on astronomy, the atmosphere, the biosphere, the lithosphere, the hydrosphere, and environmental awareness. *The final exam for this course is the NC Final Exam for Earth/Environmental Science. Successful completion of this course will satisfy the state graduation requirement for Earth Science.*

## **Earth/Environmental Science Honors**

**Course Credit: 1 Unit**

Course Description: Earth/Environmental Science Honors is a more rigorous offering of the concepts in Earth/Environmental Science. Emphasis will be placed on greater depth of the concepts in order to increase critical thinking skills. Course work will be accomplished by using a scientific approach which stresses observation, critical thinking, and problem solving. Students are expected to participate in laboratory activities as well as group and individual learning activities. *The final exam for this course is the NC Final Exam for Earth/Environmental Science. Successful completion of this course will satisfy the state graduation requirement for Earth Science.*

## **Environmental Science AP**

**Course Credit: 1 Unit**

Course Description: Advanced Placement Environmental Science is a rigorous college-level course focusing on the following: Earth's systems (Earth Science, atmosphere and biosphere, water and soil), the living world (ecosystems, energy and cycles), population dynamics, land and water use, energy resources and consumption, pollution and global change. It is expected this college-level course will require greater amounts of time and effort on the part of the student. Descriptive and experimental laboratory experiences will be assigned to provide maximum opportunity for students to learn a variety of skills and concepts. Students are expected to take the AP Environmental Science examination. *The student may earn college credit for successful completion of the course and an AP examination score that meets the college requirement. Successful completion of this course will satisfy the state graduation requirement for Earth Science.*

## **Intro to Forensic Science**

**Course Credit: 1 Unit**

*Prerequisites: Biology I or Biology I Honors and Chemistry I or Chemistry I Honors*

Course Description: Forensics is an elective course that focuses on the field of science emphasizing chemistry, biology, biotechnology, geology, and physics and their application in solving criminal cases. This forensics course will focus on the scientific evidence collection methods behind solving crimes and other aspects of detective work, such as criminal psychology, fingerprinting, handwriting analysis, and odontology. *This course provides one unit of elective credit, but does not count as one of the science credits required to graduate meeting the future-ready core requirements.*

## **Forensic Science Honors**

**Course Credit: 1 Unit**

*Prerequisites: Biology I or Biology I Honors and Chemistry I or Chemistry I Honors*

Course Description: This rigorous science elective involves the application of forensic science techniques to applicable criminal and civil law. In this course, students will study relevant scientific and technological principles and techniques used to solve crimes. Students will be involved in integrating the scientific methodology with actual forensic application. This course will also include a variety of laboratory methods and forensic case files to give students valuable opportunities for interactive hands-on experiences and to develop problem-solving and critical thinking skills. *This course provides one unit of elective credit, but does not count as one of the science credits required to graduate meeting the future-ready core requirements.*

## **Life Science Techniques**

**Course Credit: 1 Unit**

Course Description: Life Science Techniques is an elective course in which students will explore the concepts and principles of life science and apply these concepts and principles to issues in the workplace, in society, and in personal experiences. Investigative, hands-on lab activities that address the high school inquiry standards are an integral part of this course. *It is recommended that this course be paired with Biology I. This course provides one unit of elective credit, but does not count as one of the science credits required to graduate meeting the future-ready core requirements.*

## **Oceanography**

**Course Credit: 1 Unit**

Course Description: Oceanography is an elective science course that offers students the opportunity to investigate physical oceanography (wind and waves), geological oceanography (earthquakes and plate tectonics), and biological oceanography (from algae to whales). *This course provides one unit of elective credit, but does not count as one of the science credits required to graduate meeting the future-ready core requirements.*

## Physical Science

**Course Credit: 1 Unit**

Course Description: The physical science curriculum provides students a course in scientific inquiry, forces and motion, matter: properties and change, and energy: conservation and transfer. The final exam is the North Carolina Final Exam in Physical Science. *This course satisfies the state graduation requirement in physical science.*

## Physics

**Course Credit: 1 Unit**

*Prerequisite: Chemistry I*

Course Description: Physics course provides a study using the language of mathematics to describe natural phenomena. Inquiry is applied to the study of matter and energy and their interaction.

## Physics Honors

**Course Credit: 1 Unit**

*Prerequisites: Chemistry I or Chemistry I Honors*

Course Description: Physics Honors provide students an in-depth study using the language of mathematics to describe natural phenomena. Inquiry is applied to the study of matter and energy and their interaction. Students will study linear motion, two-dimensional motion including circular motion, forces and Newton's Laws of Motion, impulse and momentum, energy as the ability to cause change, wave motion and the wave nature of sound and light, static electricity and direct current electrical circuits. *This course satisfies the state graduation requirement in physical science. It is recommended that students who enroll in this course have successfully completed Chemistry I and a math beyond Math III.*

## Physics AP

**Course Credit: 1 Unit**

Course Description: Advanced Placement Physics is a college level physics course. The College Board course of study will be followed (Level 1 or 2). This course is designed to advance the students' understanding of natural phenomena by an in-depth approach to the topics of physics. Students are expected to take the AP Physics Examination. *A student may earn college credit for successful completion of the course and an AP examination score that meets the college requirement.*

# Social Studies

Social studies is the integrated study of the social sciences and humanities to promote effective citizenry. Within the K-12 program, social studies provide coordinated, systematic study drawing upon such disciplines as economics, history, geography, anthropology, archeology, law, philosophy, political science, religion, and sociology, as well as appropriate content from the humanities, mathematics, and the natural sciences.

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|---|---|
| <ul style="list-style-type: none"> <li>❖ <b>World History</b></li> <li>❖ <b>World History Honors</b></li> <li>❖ <b>World History AP</b></li> <li>❖ <b>American History: The Founding Principles, Civics, and Economics</b></li> <li>❖ <b>American History: The Founding Principles, Civics, and Economics Honors</b></li> <li>❖ <b>United States History</b></li> <li>❖ <b>American History I</b></li> <li>❖ <b>American History I Honors</b></li> <li>❖ <b>American History II</b></li> <li>❖ <b>American History II Honors</b></li> </ul> | <ul style="list-style-type: none"> <li>❖ <b>United States History AP</b></li> <li>❖ <b>European History AP</b></li> <li>❖ <b>1960's Era</b></li> <li>❖ <b>American Civil War</b></li> <li>❖ <b>Military History</b></li> <li>❖ <b>African American Studies</b></li> <li>❖ <b>Psychology</b></li> <li>❖ <b>Psychology AP</b></li> <li>❖ <b>Turning Points in American History Honors</b></li> <li>❖ <b>US Government and Politics AP</b></li> <li>❖ <b>World Religions</b></li> <li>❖ <b>The Cold War</b></li> </ul> |
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## Possible Social Studies Sequences

**Students who entered 9<sup>th</sup> grade in 2011-2012 (three required courses):**

	Course 1	Course 2	Course 3
Sequence A	World History	Civics and Economics	United States History
Sequence B	World History Honors/AP	Civics and Economics Honors	United States History Honors or US History AP

**Students who entered 9<sup>th</sup> grade in 2012-2013 and later (four required courses)**

	Course 1	Course 2	Course 3	Course 4
Sequence A	World History	Civics and Economics	American History I	American History II
Sequence B	World History Honors	Civics and Economics Honors	American History I Honors	American History II Honors
Sequence C	World History Honors	Civics and Economics Honors	Turning Points Honors	US History AP
Sequence D	World History Honors/AP	Civics and Economics Honors	US History AP	Social Studies Elective

**Social Studies elective may be taken before or after American History AP.**

### **Important Notes:**

- There are no pre-requisites in social studies. These are suggested sequences, but other routes are possible.
- Turning Points Honors is recommended for students who wish to take AP US History and have not had an AP course before. This course provides practice in reading, writing, and critical analysis at the AP level in the context of American History.
- AP US History fulfills the American I and II requirement. Students are still required to take 4 social studies courses; so an elective such as Turning Points, AP Psychology, 1960's Era, or AP US Government is required.



## **World History**

**Course Credit: 1 Unit**

Course Description: This course will address six periods in the study of world history, with a key focus of study from the mid-15<sup>th</sup> century to the present. Students will study major turning points that shaped the world in order to develop understandings of current world issues and relate them to their historical, political, economic, geographic and cultural contexts. Students will broaden their historical perspectives as they explore ways societies have dealt with continuity and change; exemplified by concepts such as civilization, revolution, government, economics, war, stability, movement, and technology.

## **World History Honors**

**Course Credit: 1 Unit**

Course Description: This course is designed to challenge students. This course will address six periods in the study of world history, with a key focus of study from the mid-15<sup>th</sup> century to the present. Students will study major turning points that shaped the world in order to develop understandings of current world issues and relate them to their historical, political, economic, geographic and cultural contexts. Students will broaden their historical perspectives as they explore ways societies have dealt with continuity and change; exemplified by concepts such as civilization, revolution, government, economics, war, stability, movement, and technology.

## **World History AP**

**Course Credit: 1 Unit**

Course Description: This course concentrates on the patterns of global processes and contacts in interaction with different types of human societies. This course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Students build an understanding of cultural, institutional and technological precedents that, along with geography, set the human stage prior to the common area. Substantial out-of-class reading, writing, and research are expected. *Students are expected to take the AP World History Examination. The student may earn college credit for successful completion of the course and AP examination.*

## **American History: The Founding Principles, Civics, and Economics**

**Course Credit: 1 Unit**

Course Description: This course will provide students the skills and knowledge necessary to become responsible and effective citizens in an interdependent world. This course provides students with a framework for understanding the basic tenets of American democracy, practices of American government as established by the US Constitution, basic concepts of American politics and citizenship, and concepts in micro- and macroeconomics and personal finance.

## **American History: The Founding Principles, Civics, and Economics Honors**

**Course Credit: 1 Unit**

Course Description: This course is designed to challenge students. This course will provide students the skills and knowledge necessary to become responsible and effective citizens in an interdependent world. This course provides students with a framework for understanding the basic tenets of American democracy, practices of American government as established by the US Constitution, basic concepts of American politics and citizenship, and concepts in micro- and macroeconomics and personal finance.

## **American History I**

**Course Credit: 1 Unit**

Course Description: This course addresses key events in American History from European exploration through Reconstruction. Students will examine the historical and intellectual origins of the United States from European exploration and colonial settlement to the Revolutionary and Constitutional eras, along with political and economic factors that influenced Colonial development and the American Revolution. The key ideas of the Constitution and other consequences of the American Revolution are addressed. This course also examines the establishment of political parties, America's westward expansion, the growth of sectional conflict, and causes and consequences of the Civil War and Reconstruction. Conceptual understanding is emphasized along with analysis and evaluation.

## **American History I Honors**

**Course Credit: 1 Unit**

Course Description: This course is designed to challenge students. This course addresses key events in American History from European exploration through Reconstruction. Students will examine the historical and intellectual origins of the United States from European exploration and colonial settlement to the Revolutionary and Constitutional eras, along with political and economic factors that influenced Colonial development and the American Revolution. The key ideas of the Constitution and other consequences of the American Revolution are addressed. This course also examines the establishment of political parties, America's westward expansion, the growth of sectional conflict, and causes and consequences of the Civil War and Reconstruction. Conceptual understanding is emphasized along with analysis and evaluation.

## **American History II**

**Course Credit: 1 Unit**

Course Description: This course addresses the historical, political, social and cultural development of the United States from the end of Reconstruction through the present. Key ideas of the course include America's change in ethnic composition, movement toward equal rights, the US as a major world power, expanding the role of the federal government and courts, and tension between the individual and the state. Understanding cause and effect relationships, patterns of interactions, and how events in the US impact an interconnected world are key outcomes.

## **American History II Honors**

**Course Credit: 1 Unit**

Course Description: This course is designed to challenge students. The course addresses the historical, political, social and cultural development of the United States from the end of Reconstruction through the present. Key ideas of the course include America's change in ethnic composition, movement toward equal rights, the US as a major world power, expanding the role of the federal government and courts, and tension between the individual and the state. Understanding cause and effect relationships, patterns of interactions, and how events in the US impact an interconnected world are key outcomes.

## **United States History**

**Course Credit: 1 Unit**

Course Description: This course is a comprehensive, chronological survey covering the historical development of the U.S. from the Federalist Era to the present. Emphasis is on the social, economic, and political forces that have shaped our nation. *This course is only available to students who entered high school in 2011-2012 or earlier.*

## **United States History AP**

**Course Credit: 1 Unit**

Course Description: Advanced Placement United States History is a course that is equivalent to an introductory American History course at the college level. This course provides an analytical and historical study of the United States by examining the major trends and events spanning United States history from the age of discovery to the present. Substantial out-of-class reading, writing, and research are expected. Pre-course reading may be required. *It is recommended that students who enroll in this course have successfully completed English II. Students are expected to take the AP United States History Examination. The student may earn college credit for successful completion of the course and AP examination.*

## **European History AP**

**Course Credit: 1 Unit**

Course Description: This course is designed for those students who want to undertake studies on a college level. The course provides an in-depth survey study of first semester college European History. Students will explore developments in Europe from the 17<sup>th</sup> Century through the 20<sup>th</sup> Century. Students prepare to take the Advanced Placement College Board examination and have the potential to earn college credit based on their exam score. *Students are expected to take the AP European History Examination. The student may earn college credit for successful completion of the course and AP examination.*

## **1960's Era**

**Course Credit: 1 Unit**

Course Description: This course is designed for students to explore one of the most controversial eras in American History. Topics that will be covered in great detail include the Baby Boom Generation, John F. Kennedy and Lyndon B. Johnson's presidential administrations, the Civil Rights Movement, the Vietnam War, Counter Culture, and the Space Race. Students will learn how this era has altered the United States and changed how Americans look at themselves and the future of the country.

## **American Civil War**

**Course Credit: 1 Unit**

Course Description: This course will explore the watershed event in American History, the Civil War, from several perspectives, including its military, political, cultural and strategic significance. Students will examine the war's impact on the civilians and military personnel caught up in it. Emphasis will be placed on military campaigns and strategy, the political aspects of the struggle, the life of the common soldier, and the war's consequences for the people back home.

## **Military History (and its Cultural Impact)**

**Course Credit: 1 Unit**

Course Description: This course is a study of how armed conflict has been a significant factor throughout the course of human history. It will involve a discussion of its causes, course and results as well as how it affects the society it touches.

## **African American Studies**

**Course Credit: 1 Unit**

Course Description: This course is an exploration of the diverse history and culture of African Americans. Students gain a deep understanding of the historical, cultural, economic, political, and geographic experiences of African Americans. Emphasis is placed on connections among the social studies strands and across content areas.

## **Psychology**

**Course Credit: 1 Unit**

Course Description: This course provides an in-depth study of psychological methods, the stages of psychological development, how cognition, learning and conditioning affect behavior, personality theories and disorders, as well as psychological disorders. Students will also research and explore major psychological researchers. *It is recommended that students who enroll in this course have successfully completed English II and Biology.*

## **Psychology AP**

**Course Credit: 1 Unit**

Course Description: This course is designed for those students who want to undertake studies on a college level. The course provides an in-depth survey study of psychological methods, the stages of psychological development, personality theories and disorders, as well as psychological disorders. Students will also research and explore major psychological researchers. *It is recommended that students who enroll in this course have successfully completed English II and Biology. Students are expected to take the AP Psychology Examination. The student may earn college credit for successful completion of the course and AP examination.*

## **Turning Points in American History Honors**

**Course Credit: 1 Unit**

Course Description: This course emphasizes in depth study of 10-15 key turning points in American History. The turning points selected can be different from those in American History in order to give students multiple perspectives on historical events. Emphasis is placed on interrelationships among events. Students will develop critical reading, writing, and speaking skills along with historical inquiry capabilities.

## **U.S. Government and Politics AP**

**Course Credit: 1 Unit**

Course Description: This course will cover in-depth the players, institutions, and history of the American political system. Students will master the following topics: the US Constitution, Political Beliefs and Behaviors, political Parties, Interest Groups, Mass Media, Institutions of National Government, Public Policy, and Civil Rights and Liberties. *Students are expected to take the AP U.S. Government & Politics Examination. The student may earn college credit for successful completion of the course and AP examination.*

## **World Religions**

**Course Credit: 1 Unit**

Course Description: This course is a study of how various world religions have been a significant factor in human history and will focus on basic belief systems, practices, impact on individuals and cultures, and societal impact. Students will gain an appreciation for the inception, development, and practices of various world religions throughout recorded history. They will also gain an understanding and appreciation of how various world religions have affected their lives, as well as the United States of America, both past and present.

## **AP Human Geography**

**Course Credit: 1 Unit**

Course Description: The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The general themes of AP Human Geography include: geography reflects and influences physical and human processes; spatial perspectives; geographical analysis; and, the study of geography as a social science. *Successful completion of an honors or AP level social studies or English course is recommended. A strong background in science is also encouraged.*

## **The Cold War**

**Course Credit: 1 Unit**

Course Description: This course will acquaint students with the Cold War, along with its causes and ultimate impact on international relationships and domestic policies. Historical, geographical, economic, and cultural lenses will be used to examine primary and secondary sources on the subject. Critical reading, writing, and thinking will be a focus in this course.

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# World Language

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## French I

**Course Credit: 1 Unit**

Course Description: This course stresses the four language skills - listening, speaking, reading, and writing. Students study vocabulary, grammar, and sentence structure. Cultural and historical material is integrated into the course to increase student understanding of a culture other than their own.

## French II

**Course Credit: 1 Unit**

Course Description: This course begins with a review of the material learned in French I. The four language skills introduced in level I are continued with increased emphasis on reading and culture; as well as more complex grammatical structures and additional vocabulary.

## French III

**Course Credit: 1 Unit**

Course Description: This course is an in-depth study in application of the communication skills learned in levels I and II. Through various activities, students learn to speak the language with more fluency. Literature, history, and grammar are integral parts of this course.

## French IV

**Course Credit: 1 Unit**

Course Description: French IV is an expansion of the French III program. French IV strives to further develop communication skills. Selected readers, magazines, cultural publications, and resource people may be used. The major areas of concentration are literature, history, and grammar.

## French V

**Course Credit: 1 Unit**

Course Description: French V is an advanced level course designed for the student with a strong interest in language development, literature, and advanced speaking skills.

## AP French Language and Culture

**Course Credit: 1 Unit**

Course Description: Advanced Placement French Language and Culture is designed for those students who wish to undertake studies on a college level. The College Board course of study is used and students are prepared to take the advanced placement exam, which may carry college credit if scores meet specific requirements. The focus in this course is on grammar and the four language skills: listening, speaking, reading, and writing.

## Spanish I

**Course Credit: 1 Unit**

Course Description: This course stresses the four language skills - listening, speaking, reading, and writing. Students study vocabulary, grammar, and sentence structure. Cultural and historical material is integrated into the course to increase student understanding of a culture other than their own.

## **Spanish II**

**Course Credit: 1 Unit**

Course Description: This course begins with a review of the material learned in Spanish I. The four language skills introduced in level I are continued with increased emphasis on reading and culture.

## **Spanish III**

**Course Credit: 1 Unit**

Course Description: This course is an in-depth study in application of the communication skills learned in levels I and II. Through various activities, students learn to speak the language with more fluency. Literature, history, and grammar are integral parts of this course.

## **Spanish IV**

**Course Credit: 1 Unit**

Course Description: Spanish IV is an expansion of the Spanish III program. Spanish IV strives to further communication skills. Selected readers, magazines, cultural publications, and resource people may be used. The major areas of concentration are literature, history and grammar.

## **Spanish V**

**Course Credit: 1 Unit**

Course Description: Spanish V is an advanced level course designed for the student with a strong interest in language development, literature, and advanced speaking skills.

## **AP Spanish Language and Culture**

**Course Credit: 1 Unit**

Course Description: Advanced Placement Spanish Language and Culture is designed for those students who wish to undertake language studies on the college level. The College Board Standard Course of Study is used and students are prepared to take the advanced placement exam which may carry college credit if scores meet specific requirements. The focus in this course is on grammar and the four language skills: listening, speaking, reading and writing.

## **Spanish I for Native Speakers (Spanish Heritage I)**

**Course Credit: 1 Unit**

Course Description: The Spanish for Native Speakers course (Level I) is not designed to replace English as a Second Language (ESL) instruction but instead to enhance the heritage language of the students. While many of the skills, processes, and strategies will transfer to English, the course content will be delivered in Spanish. Students who have been identified as limited-English proficient (LEP) will still need to receive assistance in learning English and in mastering content of other disciplines delivered in English.

## **Spanish II for Native Speakers (Spanish Heritage II)**

**Course Credit: 1 Unit**

*Prerequisite: Spanish I for Native Speakers*

Course Description: This course is designed specifically for native/heritage speakers of Spanish who already have some oral and written language proficiency. The purpose of this course is to enable students whose heritage language is Spanish to continue developing, maintaining, and enhancing proficiency in Spanish by providing them the opportunity to listen, speak, read, and write in a variety of contexts and for variety of audiences extending beyond the family, school, and community. This course will allow students to explore the cultures of the Hispanic world and gain a better understanding of their own language.

## **Latin I**

**Course Credit: 1 Unit**

Course Description: This course focuses on the structure of the Latin language-its forms, vocabulary, syntax, speaking skills and pronunciation. The student also becomes familiar with the customs, literature, mythology, and history of Rome through the translation of short Latin passages. The student's understanding of the English language is improved through the study of Latin derivatives and grammar. Translation skills as well as reading skills are introduced to students.

## **Latin II**

**Course Credit: 1 Unit**

Course Description: This course offers further study in Latin grammar and translation. The influence of Rome and the Latin language on our language and culture is examined. The study of prefixes and other Latin word parts continues to help the student build a better English vocabulary. Reading and speaking skills continue to be emphasized and translation skills are stressed.

## **Latin III**

**Course Credit: 1 Unit**

Course Description: Latin III is a survey of Latin literature by ancient authors and a continued concentration on grammar skills. Emphasis is on translation using skills acquired in Latin I and II and an increased awareness of English derivatives and vocabulary. Literature, history, grammar, writing, reading, speaking and translating are emphasized.

## **Latin IV**

**Course Credit: 1 Unit**

Course Description: Latin IV is an expansion of Latin III and strives to develop the various areas of language understanding and specific skills, especially reading and comprehension. Selected readers, cultural publications, and resource people may be used. The major areas of concentration are literature, history, grammar, writing, reading, speaking and translating.

## **AP Latin: Vergil**

**Course Credit: 1 Unit**

Course Description: AP Latin is designed for those students who wish to undertake studies on a college level. The College Board course of study is used and students are prepared to take the AP exam which may carry college credit if scores meet specific requirements. The focus in this course is the Vergil's Aeneid.

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# Occupational Preparation Courses

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## **Preparation I**

Course Description: This course is designed to introduce students to the fundamental attitudes, behaviors, and habits needed to obtain and maintain employment in their career choice and make career advancements. Students will participate in school-based learning activities including work ethic development, job-seeking skills, decision-making skills, and self-management. Formal career planning and development of knowledge regarding transition planning begins in this course and continues throughout the strand of Occupational Preparation courses.

## **Preparation II**

Course Description: This course content is focused on providing students with a range of basic skills that will serve as a foundation for future career application. Students will expand their school-based learning activities to include on-campus jobs and begin some work-based learning activities. Job seeking skills will also continue to be refined. This is a two-credit course.

## **Preparation III**

Course Description: This course is designed to allow students to continue the development and begin the application of skills learned in Preparation I and II. Work-based learning activities are an integral part of this course to allow students to apply employability skills in an employment setting and to demonstrate the effectiveness of their work personality. This is a two-credit course.

## **Preparation IV**

Course Description: This course gives students the opportunity to synthesize all the skills acquired in the previous Occupational Preparation courses and apply them to their personal career choice. Students complete the 360 hours of integrated competitive employment required for completion of the occupational course of study. Students will also develop a job placement portfolio that provides an educational and vocational record of their high school experience.

**\*Courses listed below with NCVPS Blended Learning will be taught by the student's face-to-face classroom teacher and an NCVPS online teacher.**

## **English I (NCVPS Blending Learning)**

Course Description: This course is strategically aligned with Common Core Standards for English I. Students will gain mastery of curricular concepts through a survey of world literature. Through the examination of vocabulary including prefixes and suffixes, literary genres including fables and short stories, textual analysis through poetry, drama, fiction and nonfiction, persuasion and argumentation, presentation techniques, cause and effect writing, and research focusing on career readiness, the student will explore, examine, and evaluate a wide variety of modes of expression. Technology skills will be honed through regular use of a variety of web tools and technical processes.

## **English II (NCVPS Blended Learning)**

Course Description: Students will gain mastery of curricular concepts through a survey of world literature. Through the examination of vocabulary including prefixes and suffixes, literary genres including fables and short stories, textual analysis through poetry, drama, fiction and nonfiction, persuasion and argumentation, presentation techniques, cause and effect writing, and research focusing on global awareness, the student will explore, examine, and evaluate a wide variety of modes of expression. Technology skills will be honed through the course.



### **English III (NCVPS Blended Learning)**

Course Description: Students will gain mastery of curricular concepts through a survey of American literature. Through the examination of grammatical concepts including parts of speech, punctuation, sentence and paragraph structure as well as various literary genres including oral folklore, drama, poetry, short stories, and various persuasive texts, including the development of a comprehensive research-based persuasive essay, the student will explore, examine, and evaluate a wide variety of modes of expression. The student will apply language expression for life-skills writing, speaking, and listening skills. Technology skills will be honed through the course.

### **English IV (NCVPS Blended Learning)**

Course Description: Students will gain mastery of curricular concepts through a survey of Western European, primarily British, literature. Through the examination of grammatical concepts including parts of speech, punctuation, sentence and paragraph structure as well as various literary genres including oral folklore, drama, poetry, short stories, and various persuasive texts, including the development of a comprehensive research-based persuasive essay, the student will explore, examine, and evaluate a wide variety of modes of expression. The student will apply language expression for life-skills writing, speaking, and listening skills. The course is further designed to help students prepare for a culminating senior portfolio. Technology skills will be honed through the course.

### **Introduction of Mathematics (NCVPS Blended Learning)**

Course Description: The Introduction to Mathematics Course teaches the Essential Standards for Introductory Math and prepares the students for Basic Math I. This course blends the best of online and classroom activities. Students learn introductory algebra and other important life-skills in nine engaging units covering working with numbers, fractions and decimals, rates and ratios, time and measurement, working with algebraic expressions, solving equations and inequalities, working with points and lines, working with data sets, and working with basic geometric figures. Technology skills will be honed throughout the course by working with a graphing calculator and using the computer in a variety of ways.

### **Basic Math I (NCVPS Blended Learning)**

Course Description: This Math Elective course teaches Common Core Standards for math and prepares students for the subsequent course, Math I. Successful completion of both this course and Math I will fulfill the Math I requirement. Students will receive two credits: Basic Math I as an elective credit and Math I as the Math I credit. This course blends the best of online and classroom activities. Six engaging units cover topics such as simplifying expressions with exponents, solving equations and inequalities, relations and functions, slope and linear functions, and solving systems of equations and inequalities. Technology skills will be honed throughout the course by working with a graphing calculator and using the computer in a variety of ways.

### **Math I (NCVPS Blended Learning)**

Course Description: The Math I course teaches the Common Core Standards for Math I and is the second course in the Math I sequence. Successful completion of both the Locally Developed Math Elective Course (Basic Math I) and Math I will fulfill the Math I requirement. Students will receive two credits: Locally Developed Math Elective Course (Basic math I) as an elective credit and Math I as the Math I credit. This course blends the best of online and classroom activities. Five engaging units cover topics such as polynomials and factoring, quadratic functions, exponential functions, data analysis, and parallel and perpendicular lines. Students will also explore a variety of mathematical formulas and apply these formulas in real-life scenarios. Technology skills will be honed throughout the course by working with a graphing calculator and using the computer in a variety of ways.

## **Financial Management (NCVPS Blended Learning)**

Course Description: The Financial Management course teaches NC Essential Standards for Financial Management and equips students with the skills needed for independent living. This course blends the best of online and classroom activities. Six engaging units and a final project help students develop an understanding of state and federal income taxes, wages compensation, use of credit, different insurance types, budgeting, and consumer spending. Technology skills will be honed throughout the course by working with a graphing calculator and using the computer in a variety of ways.

## **Applied Science (NCVPS Blended Learning)**

Course Description: The Applied Science Course blends the best of online and classroom activities as students learn environmental, physical, and life science concepts in nine engaging units covering human impacts on the environment, energy and its conservation, properties of matter, dangers and uses of common chemicals, force and motion, electricity and magnetism, and the human body systems. Technology skills will be honed through the course.

## **Biology (NCVPS Blended Learning)**

Course Description: This course teaches students to develop an understanding of biological processes and discover how life science is an integral part of other sciences and society. Students will have opportunities to engage in hands-on, as well as minds-on activities that are aligned with the North Carolina Essential Standards. They will gain an understanding of the cell, molecular basis of heredity, and biological evolution. They will investigate the interdependence of organisms as well as acquire an understanding of the matter, energy and organization in living systems. Technology skills will be reinforced throughout the entire course.

## **American History I (NCVPS Blended Learning)**

Course Description: The American History I course is strategically aligned with the North Carolina Essential Standards for American History I. The course follows the Founding Principles Act and begins with the European Exploration and Colonization of the New World and follows chronologically through Post-Civil War Reconstruction. Students will learn about the important political, social, and economic factors that contributed to the development of colonial America, the onset of the American Revolution, and the results of the Revolution including the founding of the United States government and the drafting of founding documents including the Constitution and the Bill of Rights. Students will also learn about early domestic and foreign policy, westward expansion, reform, immigration, and the cultural variances that have both united and divided America.

## **American History II (NCVPS Blended Learning)**

Course Description: The American History II course is a sequel course to American History I. The course is strategically aligned with the North Carolina Essential Standards for American History II. The course follows the Founding Principles Act and begins with late 19<sup>th</sup> century American History to the 21<sup>st</sup> century. Students will learn about the important political, social, and economic factors that transformed the ethnic composition of America and America's dependence on evolving technologies. Students will also learn about 19<sup>th</sup> – 21<sup>st</sup> century domestic and foreign policy, westward expansion, reform movements, immigration, and the cultural variances that have both united and divided America.

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# Health & Physical Education

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## Health and Physical Education

**Course Credit: 1 Unit**

Course Description: Physical Education and Health is a required course designed to develop physically, mentally, socially and emotionally healthy citizens. In Health, a wide variety of information is given to increase the students' knowledge in areas of protecting self and others, substance abuse, stress management, relationships, nutrition and skills, such as communicating and problem solving. In Physical Education, students have the opportunity to participate in team and individual sports, as well as leadership opportunities. Physical fitness is emphasized.

## Health and Freshman Seminar

**Course Credit: 1 Unit**

Course Description: Health and Freshman Seminar is a required course designed to develop physically, mentally, socially and emotionally healthy citizens. In Health, a wide variety of information is given to increase the students' knowledge in areas of protecting self and others, substance abuse, stress management, relationships, nutrition and skills such as communicating and problem solving. In Freshman Seminar, students gain skills for life, school, and personal finance, as well as a community service component.

## Physical Education I

**Course Credit: 1 Unit**

Course Description: Physical Education is a required course designed to develop physically, mentally, socially and emotionally healthy citizens. In Physical Education, students have the opportunity to participate in team and individual sports, as well as leadership opportunities. Physical fitness is emphasized.

## Physical Education II

**Course Credit: 1 Unit**

*Prerequisites: Health and Physical Education/Health and Freshman Seminar and Physical Education I*  
Course Description: Students will have an opportunity to participate in activities that they are introduced to in Health and Physical Education. Some of the activities may include team sports such as basketball, volleyball, and soccer, as well as individual sports such as tennis and badminton.

## Physical Education III

**Course Credit: 1 Unit**

*Prerequisite: Physical Education II*

Course Description: Students will have a chance to expand their activities that they are introduced to in Physical Education II. Some of the activities may include team and individual sports. Leadership, social skills, and physical fitness are emphasized.

## Physical Fitness

**Course Credit: 1 Unit**

*Prerequisites: Health and Physical Education/Health and Freshman Seminar and Physical Education I*  
Course Description: This course stresses development through daily exercises and activities in a planned fitness program. Students will learn proper techniques for weightlifting, flexibility exercises, and toning and conditioning through cardiovascular exercises. Emphasis is placed on improving strength, agility, endurance, speed, and cardiovascular through highly organized training. Measurement of the progress is determined by increase in strength in proportion to the student's body and times for cardiovascular endurance.

## **Sports Education I**

**Course Credit: 1 Unit**

*Prerequisites: Health and Physical Education/Health and Freshman Seminar and Physical Education I*

Course Description: This course is designed to give students a total experience in sports which are popular throughout our culture. Students will participate in competition, which will be in a full season format. Officiating and keeping statistics will be an aspect of the class, as well as emphasizing leadership and sportsmanship. Field trips to local high school, college and professional games may be offered to enhance the learning experience. Some of the activities may include (but are not limited to): volleyball, flag football, badminton, ping-pong, water polo, racquetball, basketball, soccer, whiffleball, and golf.

## **Sports Education II**

**Course Credit: 1 Unit**

*Prerequisite: Sports Education I*

Course Description: This course is designed to give students a total experience in sports which are not prevalent throughout our culture. Students will participate in competition, which will be in a full season format. Officiating and keeping statistics will be an aspect of the class, as well as emphasizing on leadership and sportsmanship. Field trips to local high school, college and professional games may be offered to enhance the learning experience. Some of the activities may include (but are not limited to): team handball, disc golf, ultimate football, ping-pong, water volleyball, handball, one-pitch softball, and bowling.

## **Sports Medicine I**

**Course Credit: 1 Unit**

*Prerequisites: Health and Physical Education/Health and Freshman Seminar and Physical Education I*

Course Description: This course is an introduction to sports medicine as a profession and the role of an athletic trainer. This course covers basic human anatomy, physiology, and kinesiology principals focusing on specificity of training methods, sports related injuries, and rehabilitation methods. This course will include field trips to sports medicine treatment facilities and guest speakers. Basic sports medicine principles will be introduced.

## **Sports Medicine II**

**Course Credit: 1 Unit**

*Prerequisites: Sports Medicine I, Biology*

Course Description: The Sports Medicine II class will build on knowledge gained from Sports Medicine I and Biology (prerequisites.) The curriculum would include injury management, rehabilitation, therapeutic modalities, legal aspects of athletic training, nutrition, skin conditions, medical terminology, advanced athletic anatomy, taping, event preparation, conditioning, first aid, cardiopulmonary resuscitation, and the use of automatic external defibrillation. Instruction would be given through a variety of methods. These would include lecture, laboratory experiments, guest speakers, and hands-on activities. Technology would also be used in instruction as well as during classroom activities. Opportunities to gain athletic field experience and real life medical experience would be offered.

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# Special Programs

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## Student Media Assistant

**Course Credit: 1 Unit**

Course Description: This course provides instruction in the orientation and organization of the media center, selection and utilization of materials and equipment, and the production of materials.

## Freshman Seminar

**Course Credit: 1 Unit**

Course Description: This course is offered during ninth grade to provide opportunity for students to develop academic and social skills needed for success in high school. Lessons include emphasis on the following: long-range projects, cooperative learning activities, reflective journal writing, note-taking, time management, study skills, social and human relations skills.

## Leadership

**Course Credit: 1 Unit**

Course Description: This course is designed to provide students in the 10, 11, and 12 grades with leadership skills and offer the students realistic opportunities in which they can put these skills to work. The course will include theories of leadership, debate, problem solving, speech making, committee work, personal management, inter-personal skills, and citizenship development.

## Mass Media (Eng/SS)

**Course Credit: 1 Unit**

Course Description: This course will consist of writing and classroom investigation regarding how our world communicates via the various avenues of the mass media. Mass Media will focus on the world of newspapers, radio, television and the Internet. Students will examine the history, social impact, basic technical outline and the inner workings of Mass Media. The student will identify where the information is located, how the information is structured for print and broadcast, identify what is determined as newsworthy, and gain insight from hands on experience.

## SAT Prep

**Course Credit: 1 Unit**

Course Description: This course focuses on preparing students for the new SAT by focusing on critical reading skills, mathematical reasoning skills, and writing skills.

## ESL Level IA

**Course Credit: 1 Unit**

*Prerequisite: None*

Course Description: This course is for Comprehensive Level LEPs, new to the English Language, within the first year in U.S. schools. The course will focus on the listening, reading, speaking and writing skills in English to prepare their transition to content area classes. It is also an introduction to U.S. schools and American culture. Course offered during the Fall semester with continuous intake as newcomers arrive in the district.

## ESL Level IB

**Course Credit: 1 Unit**

*Prerequisite: None (preferred ESL Level 1 A)*

Course Description: This course is for Comprehensive Level LEPs, new to the English Language, within the first year in U.S. schools. The course will focus on the listening, reading, speaking and writing skills in English to prepare their transition to content area classes. It is also an introduction to U.S. schools and American culture. Course offered during the Spring semester with continuous intake as newcomers arrive in the district or for ESL Level IA students to continue throughout the year.

## **ESL Level IIA**

*Prerequisite: ESL Level IA or IB*

**Course Credit: 1 Unit**

Course Description: This course is a continuation of ESL Level 1A and/or Level 1B for Comprehensive/Supportive Level LEPs who are within the first two-three years in US schools and beginning to understand language and use it in a limited capacity. The course will include a focus on listening, speaking reading and writing skills to help students progress in social and academic contexts in English. An increased instructional focus on the WIDA Standards of the Language of ELA, Math, Science, and Social Studies will be integrated. The "Language! Live" Level 1 Curriculum will support instruction in building foundational literacy skills. Course offered during the Fall semester with continuous intake.

## **ESL Level IIB**

*Prerequisite: ESL Level IA or IB*

**Course Credit: 1 Unit**

Course Description: This course is for Comprehensive/Supportive Level LEPs who are in the process of further developing language skills pertaining to familiar topics, whose language needs are in comprehending and using academic vocabulary in English. The course will focus on listening, speaking, reading and writing skills to help students progress in social and academic contexts in English. . An increased instructional focus on the WIDA Standards of the Language of ELA, Math, Science, and Social Studies will be integrated. The "Language! Live" Level 1 Curriculum will support instruction in building foundational literacy skills. Course offered during the Spring semester with continuous intake.

## **ESL Level III**

*Prerequisite: ESL Level II or Recommendation by ESL teacher*

**Course Credit: 1 Unit**

Course Description: This course is a continuation of ESL Level II and it is Supportive Level LEPs. These students participate well in most everyday situations whose language needs are with academic and idiomatic language. This course would include a focus on developing listening, speaking, reading and writing skills to help students progress mainly in academic context in the core content areas. The instructional focus is on the WIDA Standards of the Language of ELA, Math, Science, and Social Studies that will be integrated. The "Language! Live" Level 2 Curriculum will support instruction in building advanced literacy skills. Course offered during the Fall and/or Spring semester with continuous intake.

## **ESL Level IV**

*Prerequisite: Level III or Recommendation from the ESL teacher/content teacher*

**Course Credit: 1 Unit**

Course Description: This course is for Supportive/Transitional LEPs whose academic language skills are expanding. These students need support with high school grade level literary text and academic writing. The course will emphasize reading and writing skills to help students succeed in academic contexts in the core content areas. If needed, the "Language! Live" Level 2 Curriculum will periodically supplement and address instruction in building advanced literacy skills.

## **Advanced Reading and Writing**

*Prerequisite: Level IV or recommendation from content and/or ESL teacher*

**Course Credit: 1 Unit**

Course Description: This course focuses on refining reading and writing skills to help Transitional Level LEPs with the goal of exiting students from ESL Services and towards HS graduation.

## **Naval Science I**

Course Description: This course introduces students to the precepts of citizenship, the elements of leadership, and the value of sound appreciation for the heritage and traditions of America, with recognition that the role of sea power will be important in America's future, and develop in each cadet a growing sense of pride in his/her organization, associates, and self. These elements are pursued at a fundamental level.

**Course Credit: 1 Unit**

## **Naval Science II**

**Course Credit: 1 Unit**

*Prerequisite: Naval Science I*

Course Description: This course is designed to engender a sound appreciation for the heritage and traditions of America, with recognition that the historically significant role of sea power will be important in America's future, and develop in each cadet a growing sense of pride in his/her organization, associates, and self. These elements are pursued at a fundamental level.

## **Naval Science III**

**Course Credit: 1 Unit**

*Prerequisite: Naval Science II*

Course Description: This course further develops the traits of leadership in students and introduces cadets to the vital importance of military justice, international law, and continues with the instruction of Naval Science to include astronomy, meteorology, weather, and the maneuvering board, as well as provides an understanding of the facets of sea power, national security, and naval history.

## **Naval Science IV**

**Course Credit: 1 Unit**

*Prerequisite: Naval Science III*

Course Description: This course builds on the basic qualities of being a good follower and an effective leader provided in Naval Science I, II and III and takes a more in-depth look at what leadership is and how to maximize your abilities in the leadership area.

## **Advanced Military Studies I**

**Course Credit: 1 Unit**

*Prerequisite: Naval Science I*

Course Description: This course augments and improves students' knowledge gained from Naval Science I. As an elective follow-up course, it reinforces knowledge and techniques previously learned, providing a deeper appreciation and preparation of achieving higher success in the NJROTC program. It will further develop the traits of leadership in students and expand cadets' knowledge of naval operations, both ship and aircraft, orienteering, first aid and survival techniques. Students will additionally gain a better appreciation of leadership techniques and how they are applied in drill and ceremonies.

## **Advanced Military Studies II**

**Course Credit: 1 Unit**

*Prerequisite: Naval Science II*

Course Description: The Advanced Military Studies II program includes four components: expansion of leadership roles and practices; increased awareness, usage, and application of naval technology; advanced studies and research of Navy history; and advanced practices and techniques of military drill. Cadets will learn, practice, and instruct through utilization of text and video references, workshops, and hands on applications. Cadets will be evaluated using professionally developed written and practical test, research projects, and demonstration of advanced techniques and knowledge of military drill.

## **Advanced Military Studies III**

**Course Credit: 1 Unit**

*Prerequisite: Naval Science III*

Course Description: This course augments and improves students' knowledge gained from Naval Science III. This elective follow-up course reinforces knowledge and techniques previously learned, providing a deeper appreciation and prepares the students for higher positions within the unit. It will further develop the traits of leadership in students and expand cadets' knowledge in astronomy, meteorology, weather, naval electronics, the facets of sea power, national security, military law and order, justice, and international law.

## **Advanced Military Studies IV**

**Course Credit: 1 Unit**

*Prerequisite: Naval Science IV*

Course Description: The Advanced Military Study IV program includes five components: leadership roles and positive leadership techniques; group dynamics; roles and responsibilities of a military officer; effective communications in planning and advanced military drill. Cadets will learn, practice, and instruct through utilization of text and video references, workshops, and hands on applications. Cadets will be evaluated using professionally developed written and practical tests, research projects, demonstration of advanced techniques, and knowledge of military drill.

## **S.M.A.R.T. Transition Skills**

**Course Credit: 1 Unit**

Course Description: This is an elective course designed to assist students in meeting transition goals, implementing study strategies and an opportunity to complete coursework/assignments for other content areas. The course will focus on five key areas: character, organization, commitment, initiative, and attendance. To maximize student potential, students will be required to participate in daily instructional tasks that facilitate progress towards transition goals, study strategies and completing assignments.



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# Arts Education

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## Vocal Music: Chorus (Mixed and Treble)

### Vocal Music Beginning

**Course Credit: 1 Unit**

Course Description: This course is designed for students with limited choral experience and/or students who have not yet achieved Intermediate level course standards. Proper vocal technique, beginning music reading skills, and critical listening skills will be taught through ear training and choral singing. Students will also study how other disciplines relate to music, and will participate in performances for the school and community. Assessments for this course will be based upon the NC Essential Standards for Beginning Music.

### Vocal Music Intermediate

**Course Credit: 1 Unit**

*Prerequisite: Beginning Level*

Course Description: This course is designed for students with some choral experience and/or students who have not yet achieved Proficient level course standards. Proper vocal technique, intermediate music reading skills, and evaluative skills will be taught through ear training and choral singing. Students will also study how other disciplines relate to music, and will participate in performances for the school and community. Assessments for this course will be based upon the NC Essential Standards for Intermediate Music.

### Vocal Music Proficient (Honors)

**Course Credit: 1 Unit**

*Prerequisites: Intermediate Level and Audition*

Course Description: This course is designed for students with some choral experience and/or students who have not yet achieved Advanced level course standards. Proper vocal technique, proficient music reading skills, and evaluative skills will be taught through ear training and choral singing. Students will continue to study how other disciplines relate to music, and will participate in performances for the school and community. Assessments for this course will be based upon the NC Essential Standards for Proficient Music.

## Music Specialization: Choral Ensemble

### Music Specialization Intermediate

**Course Credit: 1 Unit**

*Prerequisites: Beginning Level Chorus and Audition*

Course Description: This course is designed for students with some choral experience and/or students who have not yet achieved Proficient level course standards. Proper vocal technique, intermediate music reading skills, and evaluative skills will be taught through ear training and choral singing. Students will also study how other disciplines relate to music, and will participate in performances for the school and community. Assessments for this course will be based upon the NC Essential Standards for Intermediate Music.

### Music Specialization Proficient (Honors)

**Course Credit: 1 Unit**

*Prerequisites: Intermediate Level and Audition*

Course Description: This course is designed for students with significant choral experience and/or students who have not yet achieved Advanced level course standards. Proper vocal technique, proficient music reading skills, and evaluative skills will be taught through ear training and choral singing. Students

will continue to study how other disciplines relate to music, and will participate in performances for the school and community. Assessments for this course will be based upon the NC Essential Standards for Proficient Music.

## **Music Specialization Advanced (Honors)**

**Course Credit: 1 Unit**

*Prerequisites: Proficient Level and Audition*

Course Description: This course is designed for students with extensive choral experience and demonstrated Proficient level course standards. Proper vocal technique, advanced music reading skills, and evaluative skills will be taught through ear training and choral singing. Students will continue to study how other disciplines relate to music, and will participate in performances for the school and community. Assessments for this course will be based upon the NC Essential Standards for Advanced Music.

## **Orchestra**

### **Orchestra Beginning**

**Course Credit: 1 Unit**

*Prerequisite: Training on String Instruments at the Elementary and Middle School Level*

Course Description: Beginning Orchestra is designed for students with limited orchestra experience and/or students who have not yet achieved the Intermediate level course requirements as laid out in the Beginning to Intermediate Level Change Checklist. Class will be a string orchestra setting, offering violin, viola, cello, and string bass and will include several performances for the school and community. Assessments for this course will be based upon the North Carolina Essential Standards for Beginning Music.

### **Orchestra Intermediate**

**Course Credit: 1 Unit**

*Prerequisite: Orchestra*

Course Description: Intermediate Orchestra is designed for students who have completed all of the standards for Beginning Orchestra. Prerequisites for this course include teacher recommendation and/or placement assessment using the Beginning to Intermediate Level Change Checklist. Class will be a string orchestra setting, offering violin, viola, cello, and string bass and will include several performances for the school and community. Assessments for this course will be based upon the North Carolina Essential Standards for Intermediate Music and the Orchestra Proficient Level Assessment.

### **Orchestra Proficient (Honors)**

**Course Credit: 1 Unit**

*Prerequisites: Orchestra Intermediate and/or Audition*

Course Description: Proficient Orchestra is designed for students who have completed all of the standards for Intermediate Orchestra. Prerequisites for this course include a passing score on the Orchestra Proficient Level Assessment. Class will be a string orchestra setting, offering violin, viola, cello, and string bass and will include several performances for the school and community. Assessments for this course will be based upon the North Carolina Essential Standards for Proficient Music.

### **Orchestra Advanced (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Orchestra Proficient (Honors)*

Course Description: Advanced Orchestra is designed for students who have mastered all of the standards for Proficient Orchestra. Prerequisites for this course will include a portfolio of work including compositional mastery and mastery of advanced playing techniques including improvisation. Class will be a string orchestra setting, offering violin, viola, cello, and string bass and will include several performances for the school and community. This course will require students to be able to work independently on more in depth writing, theory and solo performance projects. Assessments for this course will be based upon the North Carolina Essential Standards for Advanced Music.

## **Band**

### **Band Beginning, Fall**

**Course Credit: 1 Unit**

*Prerequisite: Students with no prior Band experience will need a recommendation from the high school director prior to registration*

Course Description: This course is designed for students who have had little to no prior band experience or middle school band. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential Standards for Beginning Instrumental Music.

### **Band Intermediate, Fall**

**Course Credit: 1 Unit**

*Prerequisites: 6-8 Middle School Band and/or private lessons with recommendation of director or Beginning Band*

Course Description: This course is designed for students who have had previous training and have completed the beginning level requirements. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential Standards for Intermediate Instrumental Music.

### **Band Proficient (Honors), Fall**

**Course Credit: 1 Unit**

*Prerequisite: Passing performance level on the Intermediate Assessment*

Course Description: This is an advanced level course designed for students who have had previous training and have passed the Intermediate Assessment. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential Standards for Proficient Instrumental Music. Additional assessments to demonstrate advanced technique will be required.

### **Band Advanced (Honors), Fall**

**Course Credit: 1 Unit**

*Prerequisite: Passing performance level on the Proficient Assessment*

Course Description: This is an advanced level course designed for students who have had previous training and have passed the Proficient Assessment as well as completed the proficient level requirements. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential Standards for Advanced Instrumental Music. Additional assessments to show advanced technique will be required.

### **Band Beginning, Spring**

**Course Credit: 1 Unit**

*Prerequisite: Students with no prior Band experience will need a recommendation from the high school director prior to registration*

Course Description: This course is designed for students who have had little to no prior band experience or middle school band. Rehearsal and performances include some afterschool rehearsals and participation in band festivals and concerts. Assessments for this course will be based upon the NC Essential Standards for Beginning Instrumental Music.

## **Band Intermediate, Spring**

**Course Credit: 1 Unit**

*Prerequisites: Middle School Band and/or private lessons with recommendation of director or Beginning Band*

Course Description: This course is designed for students who have had previous training and have completed the beginning level requirements. Rehearsal and performances include some afterschool rehearsals and participation in band festivals and concerts. Assessments for this course will be based upon the NC Essential Standards for Intermediate Instrumental Music.

## **Band Proficient (Honors), Spring**

**Course Credit: 1 Unit**

*Prerequisite: Passing performance level on the Intermediate Assessment*

Course Description: This is an advanced level course designed for students who have had previous training and have passed the Intermediate Assessment. Rehearsal and performances include some afterschool rehearsals and participation in band festivals and concerts. Assessments for this course will be based upon the NC Essential Standards for Proficient Instrumental Music. Additional assessments to demonstrate advanced technique will be required.

## **Band Advanced (Honors), Spring**

**Course Credit: 1 Unit**

*Prerequisite: Passing performance level on the Proficient Assessment*

Course Description: This is an advanced level course designed for students who have had previous training and have passed the Proficient Assessment as well as completed the proficient level requirements. Rehearsal and performances include some afterschool rehearsals and participation in band festivals and concerts. Assessments for this course will be based upon the NC Essential Standards for Advanced Instrumental Music. Additional assessments to show advanced technique will be required.

## **Music Specialization: Percussion (Fall)**

### **Percussion Ensemble Beginning**

**Course Credit: 1 Unit**

*Prerequisites: Middle School Band and/or private lessons with recommendation of director*

Course Description: This course is designed for students who have had previous training in percussion studies. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential Standards for Beginning Instrumental Music. (Fall Only)

### **Percussion Ensemble Intermediate**

**Course Credit: 1 Unit**

*Prerequisites: Middle School Band and/or private lessons with recommendation of director*

Course Description: This course is designed for students who have had previous training in percussion studies and have completed the beginning level requirements. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential Standards for Intermediate Instrumental Music. (Fall Only)

### **Percussion Ensemble Proficient (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Passing performance level on the Intermediate Assessment*

Course Description: This course is designed for students who have had previous training in percussion studies and have passed the Intermediate Assessment. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential

Standards for Proficient Instrumental Music. Additional assessments to demonstrate advanced technique will be required. (Fall Only)

## **Percussion Ensemble Advanced (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Passing performance level on the Proficient Assessment*

Course Description: This is an advanced level course designed for students who have had previous training in percussion and have passed the Proficient Assessment as well as completed the proficient level requirements. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential Standards for Advanced Instrumental Music. Additional assessments to show advanced technique will be required. (Fall Only)

## **Music Specialization: Wind Ensemble**

### **Wind Ensemble Intermediate**

**Course Credit: 1 Unit**

*Prerequisite: Fall Band B, Fall Band I, Spring Band B, or Spring Band I*

Course Description: This course is open to all instrumental band students who have completed the prerequisite courses and wish to study advanced instrumental musical compositions and performances. Rehearsal and performances include some afterschool rehearsals and participation in band festivals and concerts. Assessments for this course will be based upon the NC Essential Standards for Intermediate Instrumental Music.

### **Wind Ensemble Proficient (Honors)**

**Course Credit: 1 Unit**

*Prerequisites: Wind Ensemble I and a passing performance level on the Intermediate Assessment*

Course Description: This course is open to all instrumental band students who have completed the prerequisite course and assessment and wish to study advanced instrumental musical compositions and performances. Rehearsal and performances include some afterschool rehearsals and participation in band festivals and concerts. Assessments for this course will be based upon the NC Essential Standards for Proficient Instrumental Music. Additional assessments to demonstrate advanced technique will be required.

### **Wind Ensemble Advanced (Honors)**

**Course Credit: 1 Unit**

*Prerequisites: Wind Ensemble Proficient and a passing performance level on the Proficient Assessment*

Course Description: This course is open to all instrumental band students who have completed the prerequisite course and assessment and wish to study advanced instrumental musical compositions and performances. Rehearsal and performances include some afterschool rehearsals and participation in band festivals and concerts. Assessments for this course will be based upon the NC Essential Standards for Advanced Instrumental Music. Additional assessments to demonstrate advanced technique will be required.

## **Music Specialization: Jazz**

### **Jazz Ensemble Intermediate**

**Course Credit: 1 Unit**

*Prerequisite: Fall Band B, Fall Band I, Spring Band B, or Spring Band I*

Course Description: This course is open to all instrumental band students who have completed the prerequisite courses and wish to study and perform various jazz styles. Rehearsal and performances include some afterschool rehearsals and participation in performances and concerts.

## **Jazz Ensemble Proficient (Honors)**

**Course Credit: 1 Unit**

*Prerequisites: Jazz Ensemble Intermediate and a passing performance level on the Intermediate Assessment*

Course Description: This course is open to all instrumental band students who have completed the prerequisite course and wish to study and perform various jazz styles. Rehearsal and performances include some afterschool rehearsals and participation in performances and concerts. Assessments for this course will be based upon the NC Essential Standards for Proficient Instrumental Music. Additional assessments to demonstrate advanced technique will be required.

## **Jazz Ensemble Advanced (Honors)**

**Course Credit: 1 Unit**

*Prerequisites: Jazz Ensemble Proficient and a passing performance level on the Proficient Assessment*

Course Description: This course is open to all instrumental band students who have completed the prerequisite course and wish to study and perform various jazz styles. Rehearsal and performances include some afterschool rehearsals and participation in performances and concerts. Assessments for this course will be based upon the NC Essential Standards for Advanced Instrumental Music. Additional assessments to demonstrate advanced technique will be required.

## **Advanced Placement Music Theory (AP Music Theory)**

**Course Credit: 1 Unit**

*Prerequisites: Teacher recommendation and Honors/AP Criteria*

Course Description: Advanced Placement Music Theory is designed for those students who wish to undertake music studies on a college level. This course will emphasize tonal harmony and its structure. Rhythmic, melodic, and harmonic dictation, as well as composition and analysis will be stressed. The advanced placement program of Music Theory is designed to provide the same benefits to secondary school students as are provided by an introductory college course in Music Theory. College credit and/or advanced placement may be received depending upon the AP examination scores.

## **Dance**

### **Dance Beginning**

**Course Credit: 1 Unit**

Course Description: This course provides a strong technique base to develop strength, flexibility and endurance, as well as an emphasis on dance as a creative art form. Students will learn technical skills from a variety of different dance forms. Students experience both the role of the choreographer and dancer with opportunities to present their work.

### **Dance Intermediate**

**Course Credit: 1 Unit**

*Prerequisite: Dance Beginning*

Course Description: This course offers intermediate students who have mastered the beginning dance standards the opportunity to continue to develop their technique, as well as express themselves through choreography. Students will also learn accurate terminology and apply it to both movement and written assignments.

### **Dance Proficient (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Dance Intermediate*

Course Description: This course offers proficient students who have mastered the intermediate standards the opportunity to continue to develop their technique, as well as express themselves through advanced choreography. Students will continue to learn accurate terminology and apply it to both movement and written assignments. Dance compositions will be studied in depth during this class.

## **Dance Advanced (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Dance Proficient (Honors)*

Course Description: This course is for students who have mastered the proficient standards and wish to continue working to reach a higher level of understanding. Students will critique, analyze and interrupt dance compositions. Students will use dynamic alignment, articulation of movement and aesthetic criteria to refine advanced dance movement.

## **Dance Specialization: Dance Company**

### **Dance Company Beginning**

**Course Credit: 1 Unit**

*Prerequisites: Beginning level dance and audition*

Course Description: This course is a performance based class with special emphasis on improving dance technique. Course Description: Students will also begin to use improvisation to strengthen choreographic skills. This course provides a strong technique base to develop strength, flexibility and endurance, as well as an emphasis on dance as a creative art form. Students will learn technical skills from a variety of different dance forms. Students experience both the role of the choreographer and dancer with opportunities to present their work.

### **Dance Company Intermediate**

**Course Credit: 1 Unit**

*Prerequisites: Beginning level dance and audition*

Course Description: This course is a performance based class for students who have mastered the beginning standards. Course Description: There is special emphasis on improving dance technique in a variety of forms during this class. Students will explore improvisation and strengthen choreographic skills. This course offers intermediate students the opportunity to continue to develop their technique, as well as express themselves through choreography. Students will also learn accurate terminology and apply it to both movement and written assignments.

### **Dance Company Proficient (Honors)**

**Course Credit: 1 Unit**

*Prerequisites: Beginning level dance and audition*

Course Description: This course is for dancers who have mastered the intermediate standards and is a performance based class with special emphasis on improving dance technique in a variety of forms. This course offers proficient students the opportunity to continue to develop their technique, as well as express themselves through advanced choreography and the use of improvisation. Students will continue to learn accurate terminology and apply it to both movement and written assignments. Dance compositions will be studied in depth during this class.

### **Dance Company Advanced (Honors)**

**Course Credit: 1 Unit**

*Prerequisites: Beginning level dance and audition*

Course Description: This course is for dancers who have mastered the proficient level standards. This is a performance based class with special emphasis on improving dance technique in a variety of forms. This course is a continuation of Proficient work reaching an advanced level of understanding. Students will critique, analyze and interpret dance compositions. Students will use dynamic alignment, articulation of movement and aesthetic criteria to refine advanced dance movement.

## **Dance Specialization: Choreography**

### **Choreography Beginning**

**Course Credit: 1 Unit**

*Prerequisites: Beginning level dance and audition*

Course Description: This course focuses on multiple projects in history, choreography tools and methods, choreography challenges, critiques of various pieces, movement intention, and the exploration of communication through dance. Beginning students will be expected to generate abstracted movement and create dance sequences that vary in the use of dance elements.

### **Choreography Intermediate**

**Course Credit: 1 Unit**

*Prerequisites: Beginning level dance and audition*

Course Description: Students who are in this class should have mastered the beginning standards. This course focuses on multiple projects in history, choreography tools and methods, choreography challenges, critiques of various pieces, movement intention, and the exploration of communication through dance. Intermediate students will be expected to create dances that vary the use of dance elements and use simple choreographic principles and structures in a variety of forms.

### **Choreography Proficient (Honors)**

**Course Credit: 1 Unit**

*Prerequisites: Intermediate level dance and audition*

Course Description: Students who are in this class should have mastered the intermediate standards. This course focuses on multiple projects in history, choreography tools and methods, choreography challenges, critiques of various pieces, movement intention, and the exploration of communication through dance. Proficient students will be expected to create dances using selected dance elements, choreographic principles, structures, processes, and production elements to fill choreographic intent and meet aesthetic criteria.

### **Choreography Advanced (Honors)**

**Course Credit: 1 Unit**

*Prerequisites: Proficient level dance and audition*

Course Description: Students who are in this class have mastered the proficient standards. This course focuses on multiple projects in history, choreography tools and methods, choreography challenges, critiques of various pieces, movement intention, and the exploration of communication through dance. Advanced students will be expected to generate innovative solutions to movement problems, personal choreography and the choreography of others. Students will create dance for performance based on ideas, experiences, feelings, concepts, images or narratives that have personal meaning or social significance.

## **Theatre Arts**

### **Theatre Arts Beginning**

**Course Credit: 1 Unit**

Course Description: Beginning Theatre Arts promotes learning the essential vocabulary and processes of theatre, as well as reading, writing, and researching theatre literature, acting and technical theatre. In addition, students learn and reflect on aspects of theater through history and in different cultures, as well as the various forms of theater and theater-related media. This course develops creativity and spontaneity in those students wanting to explore theatre, as well as those who wish to commit to a theatre program. Students have opportunities for practical application of knowledge in informal productions.



## **Theatre Arts Intermediate**

**Course Credit: 1 Unit**

*Prerequisite: Beginning Theatre Arts or High School Theatre teacher recommendation*

Course Description: Students in the Intermediate Theatre Arts course are students who wish to continue their exploration of theatre arts. It is a more detailed study of theatre vocabulary, reading and writing of literature, acting, and technical theatre. In addition, students analyze and critique work developed by themselves or other students, as well as generated throughout history and in various cultures. This course develops students' knowledge base, expands their understanding of theatre, and begins the application of learning in forms of theatre and theatre-related media through formal and informal productions.

## **Theatre Arts Proficient (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Intermediate Theatre Arts or High School Theatre teacher recommendation*

Course Description: The Proficient Theatre Arts course is for students who wish to continue to study and develop their knowledge of theatre arts on a more challenging level. This course will be a continuation of theater study and will consist of advanced, individualized work in a seminar style with in-depth research, analysis, application, and production. Areas of study will include: script writing, acting, designing, directing, researching by evaluating and synthesizing cultural and historical information to support artistic choices, comparing and integrating art forms by analyzing traditional theatre, dance, music, visual arts, and new art forms, analyzing, critiquing, and constructing meanings from informal and formal theatre, film, television, and electronic media productions, understanding context by analyzing the role of theatre, film, television, and electronic media in the past and present. In addition, students begin to practice individual analysis and reviewing of student work to develop a personal understanding of theatre arts by utilizing the knowledge base gained in previous study. Theatre study at this level places a greater emphasis on the execution of skills, ensemble work, and collaboration with other student artists. Students use a wider variety of theatre literature and styles from theatre history and various cultures in forms of theatre and theatre related media through informal and formal productions.

## **Theatre Arts Advanced (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Proficient Theatre Arts or High School Theatre teacher recommendation*

Course Description: Advanced Theatre is for students who wish to complete the broad based study of theatre arts. Through more independent study and increased production responsibilities, the advanced Theatre course will be a continuation of all previously studied areas and consist of more advanced, individualized work in seminar style with in-depth research, analysis, application, and production. Analysis of theatre processes, self-motivation, personal discipline and more demanding projects in acting, directing, design, and writing are emphasized. Independent work in this course develops commitment helps students form aesthetic judgments and refines artistic choices.

## **Specialization in Theatre Arts**

### **Technical Theatre Beginning**

**Course Credit: 1 Unit**

*Prerequisite: Beginning Theatre Arts or High School Theatre teacher recommendation*

Course Description: Beginning Technical Theatre is a class devoted to the study of all non-performance areas of theatre including: stages and rigging, stage safety, production staff and crews, properties, sound, set design, set construction, set painting, and lighting. Students apply practical knowledge by participating as a production staff member for formal and informal productions.

## **Technical Theatre Intermediate**

**Course Credit: 1 Unit**

*Prerequisite: Beginning Technical Theatre or High School Theatre teacher recommendation*

Course Description: Intermediate Technical Theatre is an extension of the principles explored in Beginning Technical theatre. This class will explore a more in-depth focus in the principles of set design and construction, properties, lighting design, makeup and costume design (and construction), and also theatre management including the box office, business and publicity areas. An experience in this course will include technical directing and a student orientated structure as well as promote the essential vocabulary and process of design and production. Students will also have a more focused study of the production aspect of Technical Theatre by choosing two complimenting focuses for the course of the semester.

## **Technical Theatre Proficient (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Intermediate Technical Theatre or High School Theatre teacher recommendation*

Course Description: Proficient Technical Theatre explores the principles explored in the previous levels of Technical Theatre in a more comprehensive manner. Students will assume more design and production responsibilities for informal / formal productions as well as focus on the design and aesthetic aspects of technical theatre. Students will use the vocabulary and experience from the previous levels to create designs in the areas of scenery, lighting, costumes, properties, sound and publicity.

## **Technical Theatre Advanced (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Proficient Theatre Arts or High School Theatre teacher recommendation*

Course Description: Advanced Technical Theatre explores the principles explored in the previous levels of Technical Theatre in a more comprehensive manner. Students will assume more design and production responsibilities for department productions as well as focus on the design and aesthetic aspects of technical theatre. Students will use the vocabulary and experience from the previous levels to create designs in scenography and including sound, props and publicity/marketing. Students will have a more focused study of the design aspect of Technical Theatre by choosing two complimenting focuses for the course. This course can also include studied aspects of the following areas: play selection, auditions and casting, theatre management and stage management.

## **Theatre Arts Specialization: Acting**

### **Specialization in Acting Beginning**

**Course Credit: 1 Unit**

*Prerequisite: Beginning Theatre Arts or High School Theatre teacher recommendation*

Course Description: Beginning Specialization in Acting is a class devoted to the study of all performance areas of theatre including: voice and diction, movement and body, character development and audience. Students apply practical knowledge by participating as actors and directors for formal and informal productions.

### **Specialization in Acting Intermediate**

**Course Credit: 1 Unit**

*Prerequisite: Beginning Specialization in Acting or High School Theatre teacher recommendation*

Course Description: Intermediate Specialization in Acting is an extension of the principles explored in Beginning Specialization in Acting. This class will explore a more in-depth focus in the principles of diction, rhythms, melody, dramatic action and play structure, emotion and character, blocking and stage business and performance practices. Students apply practical knowledge by participating as actors and directors for formal and informal productions.

## **Specialization in Acting Proficient (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Intermediate Specialization in Acting or High School Theatre teacher recommendation*

Course Description: Proficient Specialization in Acting explores the principles explored in the previous levels of the Specialization in Acting in a more comprehensive manner. Students will use the vocabulary and experience from the previous levels to create characters and productions in the areas of voice, body and ensemble.

## **Specialization in Acting Advanced (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Proficient Specialization in Acting or High School Theatre teacher recommendation*

Course Description: Advanced Specialization in Acting explores the principles explored in the previous levels of Advanced Acting in an exhaustive style. Analysis of theatre processes, self-motivation, personal discipline and more demanding projects in voice, directing, movement, beats, objectives, actions, blocking and dramatic action are emphasized. Independent work in this course develops commitment helps students form aesthetic judgments and refines artistic choices. Students will also study different acting approaches and styles such as Misner and Stanislavski.

## **Independent Study in Theatre**

**Course Credit: 1 Unit**

*Prerequisite: Beginning Theatre Arts or High School Theatre teacher recommendation*

Course Description: An independent study or practicum in theatre arts is intended for students who wish to study a particular area of theatre that is either not offered in one of the current classes, or to get a more in depth study of an area that is covered in one of the other levels of theatre. While lower level theatre classes typically focuses on the vocabulary and technique of the desired areas, the focus /goal of this class is centered around the experience of the process as well as the theatrical product. The nature of this course is to study fewer areas of theatre, however, to cover each area in a more hands on manner. Much of the class will be centered around different theatrical labs that are set up to help students grasp the different areas of study. An experience in this course will find a much quicker pace and a more in depth study of the content areas. Students enrolled in this course will be placed in either: beginning, intermediate, proficient or an advanced level after completing an audition or interview. Possible topics for this course are Directing, Play Production, Theatre History and other specialized studies.

## **Visual Arts**

### **Visual Arts Beginning**

**Course Credit: 1 Unit**

Course Description: This course is designed to explore fundamentals in media, styles and techniques, which lead to personal expression. This course provides the opportunity for students to work in areas such as drawing, painting, printmaking, and art history. Students will develop critical thinking skills in written and verbal art critiques.

### **Visual Arts Intermediate**

**Course Credit: 1 Unit**

*Prerequisite: Beginning Visual Art and Visual Arts Teacher Recommendation or Portfolio/Interview*

Course Description: This course provides for further development of the concepts and skills taught in Beginning Visual Arts with more intense study of composition and elements of design as applied in two and three dimensional forms.

## **Visual Arts Proficient (Honors)**

**Course Credit: 1 Unit**

*Prerequisites: Intermediate Visual Art and Visual Arts Teacher Recommendation or Portfolio/Interview*

Course Description: This course is a concentrated study of a variety of media designed to give the serious art student a chance to further develop interests and skills in art. In addition to class work, students participating in the Proficient Visual Arts program will be required to do the following: keep a journal/diary each nine weeks, visit a museum/gallery/exhibit and turn in a one-page critique of the visit, and a one-page factual report on one artist or style of art included in the exhibit, complete an independent project rendered on the style/technique of an artist of the student's own choosing, along with research about the artist and his/her style, and finally, participate in two extra competition/exhibits outside of regular class assignments.

## **Visual Arts Advanced (Honors)**

**Course Credit: 1 Unit**

*Prerequisites: Proficient Visual Art and Visual Arts Teacher Recommendation or Portfolio/Interview*

Course Description: This course aids the student in becoming more proficient in the use of media and materials, and in developing skills by allowing him/her to work more independently. The student will be given the chance to develop his/her portfolio and prepare for post-secondary opportunities in art. This course provides for further development of the concepts taught in Proficient Visual Arts. Honors students are expected to fulfill a contract with the teacher in order to meet the requirements of the class. In addition to class work, students participating in the Proficient Visual Arts program will be required to do the following: keep a journal/diary each nine weeks, visit a museum/gallery/exhibit and turn in a one-page critique of the visit, and a one-page factual report on one artist or style of art included in the exhibit, complete an independent project rendered on the style/technique of an artist of the student's own choosing, along with answering research questions about the artist and his/her style, and finally, participate in two extra competition/exhibits outside of regular class assignments.

## **Visual Arts Advanced (Independent Study)**

**Course Credit: 1 Unit**

*Prerequisites: Advanced Visual Art and Visual Arts Teacher Recommendation or Portfolio/Interview*

Course Description: Students will be working more independently on projects that focus on specific periods and movements of art. Honors students are expected to fulfill a contract with the teacher in order to meet the requirements of the class. They will also develop their portfolio while preparing for post-secondary opportunities in art. In addition to class work, students participating in the Proficient Visual Arts program will be required to do the following: keep a journal/diary each nine weeks, visit a museum/gallery/exhibit, and turn in a one-page critique of the visit, and a one-page factual report on one artist of style of art included in the exhibit, complete an independent project rendered on the style/technique of an artist of the student's own choosing, along with answering research questions about the artist and his/her style, and finally, participate in two extra competition/exhibits outside of regular class assignments.

## **Advanced Placement Studio Art (AP Studio)**

**Course Credit: 1 Unit**

*Prerequisites: Proficient and/or Advanced Art and Teacher Recommendation*

Course Description: The Advanced Placement Art program enables highly motivated students to do college-level work in studio while still in high school. AP Art is not based on written examinations: instead, candidates submit a portfolio of work for evaluation at the end of the school year. Advanced Placement work involves significantly more time and commitment than most high school courses. Therefore, the program is intended for students seriously committed to studying art. Students participating in the program should strive to produce high quality artwork, and their submitted portfolios should reflect this effort. College credit and/or advanced placement may be received depending on the AP examination scores. AP Art courses are available in 2-D Design, 3-D Design or Drawing Portfolios.

## **Advanced Placement Art History (AP Art History)**

**Course Credit: 1 Unit**

*Prerequisite: Proficient and/or Advanced Level Visual Art*

Course Description: The AP Art History course prepares students for the AP Art History Exam. The course covers art from the Paleolithic period through postmodernism and is designed to provide students with the same material covered in an introductory college course in art history. Students gain knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students engage in both visual and historical study about art and its contexts. Writing skills will be important in the description, analysis, and comparison of works of art from the art periods and styles.

## **Visual Arts Specialization: Sculpture**

### **Sculpture Intermediate**

**Course Credit: 1 Unit**

*Prerequisite: Beginning Level Visual Art*

Course Description: This course will combine the traditions of the past with the technology of today to create three-dimensional works of art, inspired from a wide range of sources. Students will learn additive and subtractive techniques as they work with a variety of tools and materials. From abstract to realistic, relief to free standing, projects will stir the imagination and present challenges.

### **Sculpture Proficient (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Intermediate Visual Art Specialization in Sculpture*

Course Description: This course is designed for students who have a desire to learn more in-depth techniques in sculpture. Projects will enhance students' knowledge and challenge them on a larger scale. Students will work with a variety of materials and discover concepts of well-known sculptors throughout time.

### **Sculpture Advanced (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Proficient Visual Art Specialization in Sculpture*

Course Description: This advanced level sculpture course is designed for students who wish to continue to experience three-dimensional forms on a higher level. They will work with more challenging concepts and transform a variety of materials.

## **Visual Arts Specialization: Pottery**

### **Pottery Intermediate**

**Course Credit: 1 Unit**

*Prerequisite: Beginning Visual Art*

Course Description: This course is designed for students who want the opportunity to create in clay using 3 dimensional hand-building techniques. Students will experience different styles and functions of pottery by exploring art history as well as contemporary artists. Pottery Intermediate will introduce different glazing methods, different pottery tools and different firing processes. Projects will help students understand and appreciate how pottery has been an integral part of cultures around the world.

## **Pottery Proficient (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Intermediate Visual Art Specialization*

Course Description: Pottery Proficient continues skills learned in Intermediate with an introduction to the potter's wheel. A continuation of the historical and cultural perspective of the process and medium will be included with an emphasis on the work of individual ceramic artists. Students will be working in a collaborative but independent atmosphere where they are encouraged to explore different techniques and processes. Students are expected to keep a daily journal, visit a museum/gallery/exhibit and turn in a one-page critique of the visit as well as a one-page factual report on one artist or style of art included in the exhibit. Students will also complete an independent project rendered on the style/technique of an artist chosen by the student, and finally, participate in two extra competition/exhibits outside of regular class assignments.

## **Pottery Advanced (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: Proficient Visual Art Specialization*

Course Description: Advanced Pottery continues skills learned in Proficient with a concentration on wheel throwing and advanced hand building techniques. Artist research and exploration is integrated into the creating process as well as the alternate glaze and firing techniques. A continuation of the historical and cultural perspective of the process and medium will be included with an emphasis on the work of local individual ceramic artists. Students are expected to keep a daily journal, visit a museum/gallery/exhibit and turn in a one-page critique of the visit as well as a one-page factual report on one artist or style of art included in the exhibit. Students will also complete an independent project rendered on the style/technique of an artist chosen by the student, and finally, participate in two extra competition/exhibits outside of regular class assignments.

# CAREER AND TECHNICAL EDUCATION

CAREER AND TECHNICAL EDUCATION					
Sample Pathways: Need 4 credits in one CLUSTER (3 credits minimum from Foundation courses )					
Pathways	Cluster Enhancement Courses	Cluster Foundation Courses (3 minimum CREDITS from one CLUSTER must include capstone*)			
<b>Agriculture, Food &amp; Natural Resources Cluster</b>					
Food Products & Processing Systems Power, Structural & Technical Systems	Microsoft Word PPT & Pub	Personal Finance	Foods I	Foods II*	
		Agriscience Apps	Agricultural Mech I	Agricultural Mech II*	
<b>Architecture &amp; Construction Cluster</b>					
Construction	Multimedia & Webpage Design	Core & Sust Const	Carpentry I	Carpentry II*	
		Drafting I	Drafting II-Architectural*	Drafting III-Architectural	
<b>Arts, A/V Technology &amp; Communications Cluster</b>					
Audio & Video Technology & Film	Personal Finance	Multimedia & Webpage Design	Digital Media	Advanced Digital Media*	
<b>Business, Management &amp; Administration Cluster</b>					
General Management	Microsoft Excel & Access	Principles of Business & Finance	Accounting I	Business Law*	CTE Advanced Studies
		Microsoft Word PPT & Pub		Entrepreneurs I*	
<b>Finance Cluster</b>					
Business Finance		Principles of Business & Finance	Accounting I	Accounting II*	Entrepreneurship I
		Personal Finance			Business Law
		Microsoft Excel & Access			
<b>Marketing Cluster</b>					
Marketing Management		Principles of Business & Finance	Entrepreneurship I*	CTE Advanced Studies	
		Marketing			
<b>Health Sciences Cluster</b>					
Diagnostic Services		Biomedical Technology	Health Science I	Health Science II*	Nursing Fundamentals (2 cr)
<b>Hospitality &amp; Tourism Cluster</b>					
Travel & Tourism	Personal Finance	Sports & Entertainment Marketing I	Sports & Ent Mkt II*	Entrepreneurship I	
<b>Information Technology Cluster</b>					
Programming & Software Development		Principles of Business & Finance	Computer Programming I	Computer Programming II*	AP Computer Science
		Microsoft Excel & Access			
<b>Science, Technology, Engineering &amp; Mathematics Cluster</b>					
Engineering & Technology		Drafting I	Drafting II-Eng*	Drafting III-Engineering	
		PLTW Intro to Engineering Design	PLTW Principles of Engineering I	PLTW Computer Integrated Manufacturing*	PLTW Engineering Design & Devel
<b>Transportation, Distribution &amp; Logistics Cluster</b>					
Facility & Mobile Equip Maintenance	Microsoft Word PPT & Pub	Intro to Auto Service	Automotive Services I	Automotive Services II*	Automotive Services III

## **Career Management**

**Course Credit: 1 Unit**

Course Description: This course prepares students to locate, secure, keep, and change careers. Emphasis is placed on self-assessment of characteristics, interests, and values; education and career exploration; evaluation of career information and creation of a career plan.

## **Principles of Business and Finance**

**Course Credit: 1 Unit**

Course Description: This is an introductory course covering principles and concepts that will be the foundation for future study of business and management. Topics of study include basic business principles, personal finance concepts, management concepts, systems thinking, quality, management and the current environment for business in an international marketplace.

## **Personal Finance**

**Course Credit: 1 Unit**

Course Description: Personal Finance prepares students to understand economic activities and challenges of individuals and families, the role of lifestyle goals in education and career choices, procedures in a successful job search, financial forms used in independent living, and shopping options and practices for meeting consumer needs. The course also prepares students to understand consumer rights, responsibilities, and information, protect personal and family resources, and apply procedures for managing personal finances.

## **Business Law**

**Course Credit: 1 Unit**

*Prerequisite: Principles of Business and Finance*

Course Description: This course is designed to acquaint students with the basic legal principles common to business and personal activities. Topics include personal concepts to assist students when evaluating contracts, maximizing purchasing power through credit, purchasing appropriate insurance, and renting and owning real estate. Business concepts such as contracting, ethics, starting a business, hiring employees, managing employees, or representing other businesses as employee or contractor are included.

## **Accounting I**

**Course Credit: 1 Unit**

Course Description: This course is designed to help students understand the basic principles of the accounting cycle. Emphasis is placed on analysis and the recording of business transactions, preparation and interpretation of financial statements, accounting systems, banking and payroll activities, basic types of business ownership, and an accounting career orientation.

## **Accounting II**

**Course Credit: 1 Unit**

*Prerequisite: Accounting I*

Course Description: This course is designed to provide students with an opportunity to develop in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Emphasis includes departmental accounting; corporate accounting; cost accounting and inventory control systems; managerial accounting and budgeting; and further enhancement of accounting skills. \*This course is eligible for Honors weight.

## **Multimedia and Webpage Design**

**Course Credit: 1 Unit**

*Prerequisite: Microsoft Word and PowerPoint*

Course Description: This course focuses on desktop publishing, graphic image design, computer animation, multimedia production and webpage design. Communication skills and critical thinking are reinforced through software applications. English language arts and arts are reinforced.



## **Microsoft Word and PowerPoint**

**Course Credit: 1 Unit**

Course Description: Students will learn to use the latest version of Microsoft Word, PowerPoint and Publisher to create, enhance, customize and share documents, presentations and publications. Students will have the opportunity to become certified as a Microsoft Office Specialist in Word and PowerPoint.

\*This course is eligible for Honors weight.

## **Microsoft Excel and Access**

**Course Credit: 1 Unit**

Course Description: Students will learn to use the latest version of Microsoft Excel and Access to create, enhance, customize and share spreadsheets and databases. Students will have the opportunity to become certified as a Microsoft Office Specialist in Excel and Access.

## **Computer Programming I**

**Course Credit: 1 Unit**

Course Description: This course is designed to introduce the concepts of programming, application development, and writing software solutions in the Visual Basic environment. Emphasis is placed on the software development process, principles of user interface design, and the writing of a complete Visual Basic program including event-driven input, logical decision making and processing, and useful output.

\*This course is eligible for Honors weight.

## **Computer Programming II**

**Course Credit: 1 Unit**

*Prerequisite: Computer Programming I*

Course Description: This project-based course is designed to teach students to access and manipulate data in a variety of data structures including Access, Structured Query Language (SQL), XML, and text files. Emphasis is placed on advanced functionality, packaging and deploying business solutions, and program life-cycle revision and maintenance. \*This course is eligible for Honors weight.

## **SAS Programming I**

**Course Credit: 1 Unit**

*Prerequisite: Computer Programming I or Computer Science AP*

Course Description: This course is the entry point for students to learn SAS programming. Students will learn how to plan and write SAS programs to solve common data analysis problems. Instruction provides practice running and debugging programs. The emphasis is placed on reading input data, creating list and summary reports, defining new variables, executing code conditionally, reading raw data files and SAS data sets, and writing the results to SAS data sets. Mathematics is reinforced.

## **Introduction to Computer Science**

**Course Credit: 1 Unit**

Course Description: Students will dive into computers and the internet to learn not just how to use these tools effectively, but how they work, how we interact with them, and how to be a creator of technology tools. This course is designed to allow students to explore a variety of computer science topics, such as web design, human computer interactions, programming, problem solving, data analysis and robotics. Students will develop critical thinking, logic, and problem solving skills relevant to today's technology.

## **Foundations of Information Technology**

**Course Credit: 1 Unit**

Course Description: This introductory course provides students with the foundation to pursue further study in information technology. Emphasis is on network systems, information support and services, programming and software development, and interactive media.

## Computer Science AP

**Course Credit: 1 Unit**

Course Description: Advanced Placement Computer Science is a course with emphasis on programming methodology, algorithms, and data structures. Programming assignments will stress the need for particular algorithms and data structures. JAVA will be the language used to develop the required skills. Students are expected to take the AP examination. The student may earn college credit for successful completion of the course and AP examination.

## Computer Science Principles (Honors)

**Course Credit: 1 Unit**

Course Description: Computer Science Principles is a rigorous, introductory course intended to familiarize students to the general concepts and thinking practices of computing, computer science, and information science. Students will learn computing concepts through authentic visual and interactive projects using the BYOB/SNAP, GameMaker and AppInventor visual programming languages. Students will focus on computing as a creative activity, abstraction, facilitating knowledge creation through computing, algorithms, problem-solving, the Internet, and the global impact of computing.

## Network Engineering Technology I

**Course Credit: 1 Unit**

Course Description: This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. This course uses **Cisco Introduction to Networks** curriculum and must be conducted using the Cisco Networking Academy connection. English language arts, mathematics, and science are reinforced. This course helps prepare students for the Cisco Certified Entry Networking Technician (CCENT) certificate.

## Computer Engineering Technology I

**Course Credit: 1 Unit**

Course Description: This course includes the skills required for installing and maintaining hardware. It includes objectives in the following five domains, a) PC Hardware, b) Networking, c) Laptops, d) Printers, and e) Operational Procedures. English language arts, mathematics, and science are reinforced. This course helps prepare students for the CompTIA A+ credential.

## Finance Academy I

**Course Credit: 1 Unit**

*Prerequisite: Acceptance into the Williams High School Finance Academy*

Course Description: The Finance Academy I course is a combination of the *Business Economics* and the *Entrepreneurship* courses designed by the National Academy Foundation. *Business Economics* introduces students to the key concepts of economics as they pertain to business. This course discusses the American economy and the factors that influence the success of businesses and products. *Entrepreneurship* introduces students to the critical role entrepreneurs play in the national and global economy. Students learn the skills, attitudes, characteristics, and techniques necessary to become successful entrepreneurs. They explore starting a business and learn about the operational issues and financial risks that new businesses face.

## Finance Academy II

**Course Credit: 1 Unit**

*Prerequisite: Finance Academy I*

Course Description: The Finance Academy II course is a combination of the *Insurance* and the *Business in a Global Economy* courses designed by the National Academy Foundation. The *Insurance* course introduces students to the insurance industry and to its critical role in the financial services sector and in society. It covers common types of insurance, including life, health and disability, property, liability, and

forms of commercial insurance. *Business in a Global Economy* provides students with an understanding of how and why businesses choose to expand their operations into other countries. This course exposes students to the unique challenges facing firms doing business internationally – and to the potential opportunities and markets that are lost to firms that choose not to do business in the global marketplace. Students explore cultural, economic, and political differences that affect business operations and decision making. Students study the business strategies that enable companies to compete effectively in a global economy.

## **Entrepreneurship I**

**Course Credit: 1 Unit**

*Prerequisite: Marketing, Personal Finance or Principles of Business and Finance*

Course Description: Students will evaluate the concepts of going into business for themselves and working for, or operating, a small business. Students will develop the components of a business plan and evaluate startup requirements.

## **Marketing**

**Course Credit: 1 Unit**

Course Description: Students will develop an understanding of the processes involved from the creation to consumption of products and services. They will develop an understanding of marketing functions, applications and impact on business operations by studying areas such as pricing, market planning, promotion and selling. \*This course is eligible for Honors weight.

## **Sports & Entertainment Marketing I**

**Course Credit: 1 Unit**

Course Description: This course is designed for students interested in an introduction to sports, entertainment, and event marketing. Emphasis is placed on the following principles as they apply to the industry: branding, licensing, and naming rights; business foundations; concessions and on-site merchandising; economic foundations; promotion; safety and security; and human relations.

## **Sports & Entertainment Marketing II**

**Course Credit: 1 Unit**

*Prerequisite: Sports & Entertainment Marketing I*

Course Description: This course is designed for students interested in an advanced study of sports, entertainment, and event marketing. Emphasis is placed on the following principles as they apply to the industry: Business management, career development options, client relations, ethics, events management, facilities management, legal issues and contracts, promotion, and sponsorships.

## **Agriscience Applications**

**Course Credit: 1 Unit**

Course Description: Instruction integrates biological and physical sciences with technology as related to the environment, natural resources, food production, science and agribusiness.

## **Agricultural Mechanics I**

**Course Credit: 1 Unit**

Course Description: Develops knowledge and technical skills in the broad field of agricultural machinery, equipment, and structures. Topics include agricultural mechanics safety, hand/power tool use and selection, electrical wiring and metal working.

## **Agricultural Mechanics II**

**Course Credit: 1 Unit**

*Prerequisite: Agricultural Mechanics I*

Course Description: Expands upon the topics introduced in Agricultural Mechanics I. Topics include advanced welding and metal cutting skills, plastics, metal fabrication and hot/cold metal working skills.

## **Animal Science I**

**Course Credit: 1 Unit**

Course Description: This course focuses on the basic scientific principles and processes that are involved in animal physiology, breeding, nutrition, and care in preparation for an animal science career major. Topics include animal diseases, introduction to animal science, animal nutrition, animal science issues, career opportunities, and animal evaluation. English language arts, mathematics, and science are reinforced.

## **Animal Science II – Small Animal**

**Course Credit: 1 Unit**

*Prerequisite: Animal Science I*

Course Description: This course provides instruction on animal science topics related to small animals that are served by a veterinarian. Content related to the breeding, grooming, care and marketing of animals that fit into this category are taught in this course. English language arts, mathematics, and science are reinforced in this class.

## **Horticulture I**

**Course Credit: 1 Unit**

Course Description: Introduces students to the broad field of horticulture, including fruits, vegetables, and ornamental plants. The classroom, greenhouse, and outdoor laboratory are used for instruction where emphasis is placed on "learning by doing."

## **Horticulture II**

**Course Credit: 1 Unit**

*Prerequisite: Horticulture 1*

Course Description: Expands on the scientific and communication skills needed in the horticulture field. Practical application of concepts is an integral part of the course. \*This course is eligible for Honors weight.

## **Horticulture II-Turf Grass**

**Course Credit: 1 Unit**

*Prerequisite: Horticulture I*

Course Description: This course provides instruction in turf management and production as it relates to lawn care, golf course management and landscaping. Practical application of the concepts taught is an integral part of the course.

## **Biomedical Technology I**

**Course Credit: 1 Unit**

Course Description: This course challenges students to investigate current medical and health care practices using technology and advances in health care research. Topics include ethics, forensic medicine, infectious diseases, organ transplants, cell biology and cancer, and biomedical research. English language arts and science are reinforced in this course.

## **Health Science I**

**Course Credit: 1 Unit**

Course Description: This course focuses on human anatomy, physiology and human body diseases and disorders, and biomedical therapies. Information about health care careers is shared within the context of human body systems. Science and English language arts are reinforced in this class.

## Health Science II

**Course Credit: 1 Unit**

*Prerequisite: Health Science I*

Course Description: This course is designed to help students expand their understanding of financing and trends of health care agencies, fundamentals of wellness, legal and ethical issues, concepts of teamwork, and effective communication. Healthcare skills, language arts, mathematics, and communications are reinforced in this course. Students learn health care skills, including current CPR and first aid training. Language arts, mathematics, and communications are reinforced in this course.

## Pharmacy Technician

**Course Credit: 1 Unit**

*Prerequisite: Health Science II*

Course Description: This course has self-paced, on-line instruction designed to prepare high school seniors for a pharmacy technician career. Topics included in this course are federal law, medication used in major body systems, calculations, and pharmacy operations. Mathematics is reinforced in this course. This course is accredited by the Accreditation Council for Pharmacy Education (APCE). Upon successful completion of this course and after graduation, the student is eligible to take the Pharmacy Technician Certification Board (PTCB) exam.

## Nursing Fundamentals

**Course Credit: 2 Units**

*Prerequisite: Health Science II*

Course Description: This course is designed for students who are interested in medical careers where personal care and basic nursing skills are used. It is an enhanced adaptation of the North Carolina Division of Health Science Regulation Nurse Aide I curriculum. Students may take the National Nurse Aide Assessment after completing this course and be listed in the North Carolina NA Registry.

## Foods I

**Course Credit: 1 Unit**

Course Description: This course examines the nutritional needs of the individual. Emphasis is placed on the relationship of diet to health, kitchen and meal management, and food preparation.

## Foods II – Enterprise

**Course Credit: 1 Unit**

*Prerequisite: Foods I*

Course Description: This course focuses on advanced food preparation techniques while applying nutrition, food science and test kitchen concepts. Food safety and sanitation receive special emphasis, with students being prepared to take the exam for the ServSafe Credential from the National Restaurant Association.

## Parenting and Child Development

**Course Credit: 1 Unit**

Course Description: This course introduces students to the basic applications of child development theory with children from infancy through age six. Emphasis is on the responsibilities of parents, readiness for parenting and the influence of parents on children while providing care and guidance.

## Teen Living

**Course Credit: 1 Unit**

Course Description: This course examines life management skills in the areas of personal and family living, wellness, nutrition and foods, financial management, living environments, child development, and fashion and clothing. Emphasis is placed on applying these skills during the teen years.

## **Introduction to Culinary Arts and Hospitality**

**Course Credit: 1 Unit**

Course Description: Basic safety and sanitation practices leading to an industry-recognized food safety credential are introduced. Commercial equipment, smallwares, culinary math and basic knife skills are taught. Students may take the exam for the ServSafe Credential from the National Restaurant Association.

## **Culinary Arts and Hospitality I**

**Course Credit: 1 Unit**

*Prerequisite: Introduction to Culinary Arts and Hospitality*

Course Description: This course is designed for students who are considering a career in the culinary field. Students focus on learning basic skills in cold and hot food production, baking and pastry, and service skills.

## **Culinary Arts and Hospitality II**

**Course Credit: 2 Units**

*Prerequisite: Culinary Arts and Hospitality I*

Course Description: This course provides advanced experiences in cold and hot food production, facility management and service skills. Topics covered include menu planning, business management and guest relations.

## **Interior Design I**

**Course Credit: 1 Unit**

Course Description: This course focuses on housing needs and options of individuals and families at various stages of the life cycle. Emphasis is placed on selecting goods and services and creating functional, pleasing living environments using sound financial decisions and principles of design.

## **Interior Design II**

**Course Credit: 1 Unit**

*Prerequisite: Housing and Interiors I or Interior Design I*

Course Description: This course is designed for students wishing to pursue a career in interior design. Students will deepen their understanding of design fundamentals and theory by designing interior plans to meet the living space needs of individuals or families. Topics include application of design theory to interior plans and production, selection of materials and examination of business procedures.

## **Introduction to Automotive Service**

**Course Credit: 1 Unit**

Course Description: This course introduces automotive safety, basic automotive terminology, system and component identification, knowledge and introductory skills in hand tools, shop equipment, basic servicing, and use of service information. Also, careers and various job opportunities in the automotive repair industry will be discussed. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements.

## **Automotive Service I**

**Course Credit: 1 Unit**

*Prerequisite: Introduction to Automotive Services*

Course Description: This course develops automotive knowledge and skills in performing scheduled automotive maintenance, servicing and basic testing of brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems, emphasizing hands-on experience. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements.

## **Automotive Service II**

**Course Credit: 1 Unit**

*Prerequisite: Automotive Service I*

Course Description: This course builds on the knowledge and skills introduced in Automotive Service I and develops advanced knowledge and skills in vehicle system repair and/or replacement of components in the brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems, emphasizing hands-on experience. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. This course helps prepare students for the Automotive Service Excellence (ASE) certification in Maintenance and Light Repair (MLR-G1).

## **Automotive Service III**

**Course Credit: 1 Unit**

*Prerequisite: Automotive Service II*

Course Description: This course builds on the skills and knowledge introduced in Automotive Service I & II. Building advanced automotive skills and knowledge in vehicle servicing, testing, repair, and diagnosis of brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems, while emphasizing hands-on experience. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. This course helps prepare students for the Automotive Service Excellence (ASE) certification in Maintenance and Light Repair (MLR-G1).

## **Collision Repair Tech I**

**Course Credit: 1 Unit**

Course Description: This is an introductory course on the fundamentals of automotive body repair, including the nature of, and job opportunities, in the industry.

## **Collision Repair Tech II**

**Course Credit: 2 Units**

*Prerequisite: Collision Repair Tech I*

Course Description: This course includes instruction in technical information, and activities in metal bumping and finishing, body filling, priming, painting, and drying as each relates to auto body repair. Emphasis is placed on developing these skills in the auto body shop.

## **Core and Sustainable Construction**

**Course Credit: 1 Unit**

Course Description: This course covers basic carpentry terminology and develops technical aspects of carpentry with an emphasis on the development of introductory skills. Students will also explore the emerging field of sustainable construction. This course helps prepare students for the National Center for Construction Education and Research (NCCER) certification and is taught by an NCCER certified instructor.

## **Carpentry I**

**Course Credit: 1 Unit**

*Prerequisite: Core and Sustainable Construction*

Course Description: This course builds on the previous course and allows for skill development in using hand and power tools, reading plans, and understanding various building materials. This course helps prepare students for the National Center for Construction Education and Research (NCCER) certification and is taught by an NCCER certified instructor.

## **Carpentry II**

**Course Credit: 1 Unit**

*Prerequisite: Carpentry I*

Course Description: This course continues to allow for the development of carpentry skills in the areas of roofing, dry wall installation, and exterior finishing. This course helps prepare students for the National Center for Construction Education and Research (NCCER) certification and is taught by an NCCER certified instructor.

## **Carpentry III**

**Course Credit: 1 Unit**

*Prerequisite: Carpentry II*

Course Description: This is the final course in the carpentry sequence and introduces more advanced skills such as rigging and working with concrete. This course helps prepare students for the National Center for Construction Education and Research (NCCER) certification and is taught by an NCCER certified instructor.

## **Cabinetmaking I**

**Course Credit: 1 Unit**

Course Description: This course introduces career information, employment opportunities, and skills required for work in the furniture and cabinetmaking industry. Topics include tools and equipment, theory and practice, types of woods, finishes, styles, bonds and fasteners.

## **Cabinetmaking II**

**Course Credit: 1 Unit**

*Prerequisite: Cabinetmaking I*

Course Description: This course covers development of more advanced knowledge and skills in the furniture and cabinetmaking industry. Emphasis is placed on construction principles as applied to mass production, and the construction and installation of cabinet drawers and doors.

## **Drafting I**

**Course Credit: 1 Unit**

Course Description: Introduction to the nature of drafting and employment opportunities. This course includes basic familiarization with terms and tools of the drafting trade, practice in geometric construction, orthographic projections, and Computer Assisted Drafting (CAD).

## **Drafting-Architectural II**

**Course Credit: 1 Unit**

*Prerequisite: Drafting I*

Course Description: This course focuses on the principles, concepts, and use of complex drawing tools used in the field of architecture, structural systems and construction. Emphasis is placed on the use of CAD to create floor plans, wall sections, and elevation drawings. Mathematics, science, and visual design concepts are reinforced. \*This course is eligible for Honors weight.

## **Drafting-Architectural III**

**Course Credit: 1 Unit**

*Prerequisite: Drafting-Architectural II*

Course Description: This course introduces students to advanced architectural design concepts. Emphasis is placed on the use of computer assisted design (CAD) tools in the design and execution of site and foundation plans as well as topographical information and detail drawings. \*This course is eligible for Honors weight.



## **Drafting-Engineering II**

**Course Credit: 1 Unit**

*Prerequisite: Drafting I*

Course Description: This course focuses on engineering graphics by introducing the students to symbol libraries, industry standards and sectional techniques. Topics include coordinate systems, principles of machine processes and gearing, and the construction of 3-D wireframe models using computer assisted design (CAD). \*This course is eligible for Honors weight.

## **Drafting-Engineering III**

**Course Credit: 1 Unit**

*Prerequisite: Drafting-Engineering II*

Course Description: This course introduces the student to advanced engineering concepts. Using CAD tools, topics studied include descriptive geometry, geometrical tolerancing, and advanced engineering design concepts such as surface and solid modeling. \*This course is eligible for Honors weight.

## **Electrical Trades I**

**Course Credit: 1 Unit**

*Prerequisite: Core and Sustainable Construction*

Course Description: This course covers basic electrical trades terminology and develops technical aspects of the electrical trades. Topics included are basic electricity, electrical construction codes and practices, the use of test equipment, and electrical hand and power tools.

## **Electrical Trades II**

**Course Credit: 1 Unit**

*Prerequisite: Electrical Trades I*

Course Description: This course builds on the skills mastered in Electrical Trades I. It provides an introduction to the National Electric Code, device boxes, hand bending, raceways and fittings, conductors and cables, construction drawings, residential services, test equipment, alternating circuits, grounding, and bonding.

## **Electrical Trades III**

**Course Credit: 1 Unit**

*Prerequisite: Electrical Trades II*

Course Description: This course content includes motors, electric lighting, conduit bending, pull and junction boxes, conductor installations, cable tray, conductor terminations and splices, circuit breakers and fuses, control systems, and concepts. Upon successful completion of this course, students should be prepared to enter the workforce as an electrical helper and/or continuing education towards degrees in Construction Management or Electrical Engineering.

## **Digital Media**

**Course Credit: 1 Unit**

Course Description: This course provides students with industry knowledge and skills in the digital media design field. Areas covered include graphics, animation, video, and web design. \*This course is eligible for Honors weight.

## **Advanced Digital Media**

**Course Credit: 1 Unit**

*Prerequisite: Digital Media*

Course Description: This course provides students with more advanced knowledge in the digital and interactive media industry. Emphasis is placed on the fundamental concepts of graphic design, a variety of digital media technologies, non-linear editing, and product development and design. \*This course is eligible for Honors weight.

## **Scientific & Technical Visualization I**

**Course Credit: 1 Unit**

Course Description: This state-of-the-art course introduces students to the use of complex graphic tools. Emphasis is placed on the principles, concepts, and use of complex graphic and visualization tools as applied to the study of science and technology. Students will use complex 2D graphics, animation, editing and image analysis tools to understand, illustrate, explain and present technical and scientific concepts and principles. \*This course is eligible for Honors weight.

## **Scientific & Technical Visualization II**

**Course Credit: 1 Unit**

*Prerequisite: Scientific & Technical Visualization I*

Course Description: This course provides students with advanced skills in the use of complex visualization tools for the study of science, technology, or mathematical concepts. Students design and develop increasingly complex data and concept-driven visualization models. Students use complex 2D and 3D graphics, animation, editing, and image analysis tools to better understand, illustrate, and explain concepts. Students present technical, mathematical, and/or scientific concepts and principles. Activities are structured to integrate physical and social sciences, mathematics, English language arts, and art.

## **Game Art Design**

**Course Credit: 1 Unit**

*Prerequisite: Scientific & Technical Visualization I*

Course Description: This course will focus on the principles used in game design, including mathematical and virtual modeling. Students will develop physical and virtual games using a variety of software. Emphasis will be placed on the process of game development and ethics. \*This course may be eligible for Honors weight.

## **Advanced Game Art Design**

**Course Credit: 1 Unit**

*Prerequisite: Game Art Design*

Course Description: This course is a continuation in the study of game design and interactivity. Emphasis is placed on visual design, evaluating, scripting and networking protocols, and legal issues as well as 3D visual theory. Students compile a game portfolio. Advanced topics include the use of audio and visual effects, rendering, modeling, and animation techniques. Students work in collaborative teams to develop a final 3D game project.

## **PLTW Introduction to Engineering Design (Honors)**

**Course Credit: 1 Unit**

Course Description: In this foundation Project Lead the Way (PLTW) Pathway to Engineering course, students are exposed to the design process, research and analysis, teamwork, communication methods, engineering standards and technical documentation. This course is designed for students who plan to pursue a career in engineering.

## **PLTW Principles of Engineering (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: PLTW Introduction to Engineering Design*

Course Description: In this course, students are exposed to major concepts they will encounter in a postsecondary engineering course of study. Students will employ engineering and scientific concepts to solve engineering design problems.

## **PLTW Computer Integrated Manufacturing (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: PLTW Principles of Engineering*

Course Description: In this specialization Project Lead the Way (PLTW) **Pathway to Engineering (PTE) course**, students answer the questions: How are things made? What processes go into creating products? Is the process for making a water bottle the same as it is for a musical instrument? How do assembly lines work? How has automation changed the face of manufacturing? As students find the answers to these questions, they learn about the history of manufacturing, a sampling of manufacturing processes, robotics and automation. The course is built around several key concepts: computer modeling, Computer Numeric Control (CNC) equipment, Computer Aided Manufacturing (CAM) software, robotics, and flexible manufacturing systems.

## **PLTW Engineering Design & Development (Honors)**

**Course Credit: 1 Unit**

*Prerequisite: PLTW Computer Integrated Manufacturing*

Course Description: In this capstone Project Lead the Way (PLTW) **Pathway to Engineering (PTE) course**, students will work in teams to research, design, test and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide and help the team to reach a solution to the problem. The team presents and defends their solution to a panel of outside reviewers at the conclusion of the course. The EDD course allows students to apply all the skills and knowledge learned in previous Project Lead the Way courses. The use of 3D design software helps students design solutions to the problem their team has chosen. This course also engages students in time management and teamwork skills, a valuable skill set for students in the future.

## **CTE Advanced Studies**

**Course Credit: 1 Unit**

*Prerequisites: Two (2) technical credits in one Career Cluster*

Course Description: This culminating course for juniors and seniors must augment the content of the completer course and prepare students for success in transitioning to postsecondary education and future careers. Requirements of the course are writing a research paper, producing a product, developing a portfolio and delivering a presentation.

## **CTE Apprenticeship**

**Course Credit: 1 Unit**

*Prerequisites: Two (2) technical credits in a Career Cluster*

Course Description: An apprenticeship, or pre-apprenticeship, through the North Carolina Department of Labor allows students to earn hours and credit toward an adult apprenticeship. This course is appropriate for occupations that do not require a college degree but require a high level of skill and knowledge.

## **CTE Internship**

**Course Credit: 1 Unit**

Course Description: The CTE internship allows for additional development of career and technical competencies beyond the classroom. Internships are exploratory in nature and allow the student to participate in daily operations, perform certain job tasks and develop direct contact with job personnel.

## Alamance-Burlington School System

### Administrative Offices

1712 Vaughn Road

Burlington, NC 27217

Phone: 336-570-6060

Webpage: <http://abss.k12.nc.us>

#### Hugh M. Cummings High School

2200 North Mebane Street

Burlington, NC 27215

Office: 336-570-6100

Guidance: 336-570-6104

Fax: 336-570-6107

Webpage: <http://hch.abss.k12.nc.us>

#### Eastern Alamance High School

4040 Mebane Rogers Road

Mebane, NC 27302

Office: 919-563-5991

Guidance: 919-563-1175

Fax: 919-563-6114

Webpage: <http://eah.abss.k12.nc.us>

#### Graham High School

903 Trollinger Road

Graham, NC 27253

Office: 336-570-6440

Guidance: 336-570-6445

Fax: 336-336-6446

Webpage: <http://grh.abss.k12.nc.us>

#### Southern Alamance High School

631 Southern High School Road

Graham, NC 27253

Office: 336-570-6400

Fax: 336-570-6404

Webpage: <http://sah.abss.k12.nc.us>

#### Western Alamance High School

1731 North NC 87

Elon College, NC 27244

Office: 336-538-6020

Fax: 336-538-6014

Webpage: <http://wah.abss.k12.nc.us>

#### Walter M. Williams High School

1307 South Church Street

Burlington, NC 27215

Office: 336-570-6161

Guidance: 336-570-6164

Fax: 336-570-6214

Webpage: <http://wwh.abss.k12.nc.us>

#### Alamance-Burlington Middle College

(Alamance Community College Campus)

1247 Jimmie Kerr Road

Graham, NC 27253

Office: 336-506-4001

Fax: 336-506-4004

Webpage: <http://amc.abss.k12.nc.us>

#### Career and Technical Education Center

2550 Buckingham Road

Burlington, NC 27217

Office: 336-570-6092

Fax: 336-570-6093

Webpage: <http://ctc.abss.k12.nc.us>

#### Ray Street Academy

609 Ray Street

Graham, NC 27253

Office: 336-570-6644

Fax: 336-570-6353

Webpage: <http://rsa.abss.k12.nc.us>



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