



**HIGH SCHOOL  
COURSE CATALOG  
2017-2018**

## College Prep Track

Content Area	Future-Ready Core Course Requirements
English	4 Credits (English I, English II, English III, English IV)
Mathematics	4 Credits (Math I, Math II, Math III, and one additional math course)
Science	3 Credits (Earth & Environmental Science, Biology, and a physical science)
Social Studies	4 Credits (Civics & Economics, World History, American History I, American History II, or AP US History – counts as 2 credits)
World Languages	Not required for high school graduation. A two-credit minimum is required for admission to a university in the UNC system.
Health and Physical Education	1 Credit (Health/Physical Education)
Electives	<p>6 Credits required 2 elective credits of any combination from either:</p> <ul style="list-style-type: none"> <li>• Career and Technical Education (CTE)</li> <li>• Arts Education</li> <li>• World Languages</li> </ul> <p>4 elective credits strongly recommended (four course concentration) from one of the following:</p> <ul style="list-style-type: none"> <li>• Career and Technical Education (CTE)</li> <li>• Arts Education (e.g. dance, music, theater arts, visual arts)</li> <li>• Any other subject area (e.g. social studies, science, mathematics, English)</li> </ul>
<b>TOTAL</b>	<b>22 Credits Required for Graduation</b>
<b>LANGTREE CHARTER</b>	<b>Students will graduate with 32 Credits</b>

## Occupational Prep Track

\*\*Student must have a current Individualized Educational Plan (IEP) with this graduation designation.

Content Area	Future-Ready Occupational Course Study (OCS) Requirements
English	4 Credits (English I, English II, English III, English IV)
Mathematics	3 Credits (Foundations of Math 1, Math I, Financial Management)
Science	2 Credits (Applied Science & Biology)
Social Studies	2 Credits (American History I, American History II)
World Languages	Not required.
Health and Physical Education	1 Credit (Health/Physical Education)
Electives	<p>6 Credits required</p> <p>Occupational Preparation I, II, III, IV (Completion of 150 hours of school-based training, 225 hours of community-based training, and 225 hours of paid employment.)</p> <p>Elective credits</p> <p>Additional requirements:</p> <ul style="list-style-type: none"> <li>• Completion of IEP Objectives</li> <li>• Career Portfolio</li> </ul>
Career/Technical	4 Credits Career/Technical Education electives
<b>TOTAL</b>	<b>22 Credits Required for Graduation</b>

## CAMBRIDGE DIPLOMA

The Cambridge Advanced International Certificate of Education (AICE) Diploma requires students to successfully complete seven AICE level courses **and** the corresponding examinations, with at least one course and exam from each of three subject groupings AND the “Core”. Listed below are the AICE level courses and exams offered or that will be offered at Langtree Charter within each subject grouping:

### **Math & Science**

Biology (10<sup>th</sup>)

Physics (11<sup>th</sup>)

### **Languages**

English Lit (11<sup>th</sup>)

Spanish Language (12<sup>th</sup>)

### **Arts & Humanities**

Art & Design (12<sup>th</sup>)

Music (12<sup>th</sup>)

Geography (12<sup>th</sup>)

Psychology (12<sup>th</sup>)

### **Core & Interdisciplinary**

Global Perspectives (11<sup>th</sup>)

(Required)

General Paper (10<sup>th</sup>)

Thinking Skills (11<sup>th</sup>)

\*\*Students not attempting to receive the Cambridge Diploma can still take Cambridge level classes. Colleges and Universities like to see students taking the most rigorous option available to them.

## ENGLISH CURRICULUM

10252X0FN Foundations of English I

Credit: 1

Grade Level: 9

This will be one of the few courses offered in the fall on a semester basis, requiring the student to take English I in the spring. This is an English remediation course for students scoring below a 3 on last year's EOG or less than 70% on their winter NWEA test. It will take the place of an elective option and allow the student to have English every day. This course helps students to acquire, master, and use skills in studying, writing, grammar, vocabulary, and literature (terms, types, elements). Mastery of skills taught in this course prepares students for successful completion of English I.

10212X0A English I

Credit: 1

Grade Level: 9

Prerequisites: Completion of all summer reading and assignments.

This course challenges students to acquire, master, and use skills in studying, writing, grammar, vocabulary, and literature (terms, types, elements). Emphasis is placed on all communication skills. Mastery of skills taught in English I prepares students for college. This class will also be offered in the spring semester to be taken in conjunction with Foundations of English I, for those that chose that option. The State NCFE assessment is required and will count 20% of the final grade.

10215X0H English I Honors/Cambridge IGCSE

Credit: 1 (.5 Quality Point)

Grade Level: 9

Prerequisites: Completion of all summer reading and assignments. To register for Honors Level English I, students need a level 5 on last year's EOG, 95% or higher on the winter NWEA, and a teacher recommendation.

This course introduces the higher-level thinking skills in the study of literature (terms, types, and elements), writing, grammar and vocabulary. Students taking this course should have the English skills to meet a demanding course of study. The course's rigorous academic pace demands high student expectations, a greater independence and depth of study. Emphasis is placed on oral and written communication skills. The State NCFE test is required and will count as 20% of the final grade.

10222X0A Foundations of English II

Credit: 1

Grade Level: 10

This will be one of the few courses offered in the fall on a semester basis, requiring the student to take English II in the spring. This is an English remediation course for students scoring below a 3 on last year's EOG or less than 70% on their winter NWEA test. It will take the place of an elective option and allow the student to have English everyday. This course helps students to acquire, master, and use skills in studying, writing, grammar, vocabulary, and literature (terms,

types, elements). Mastery of skills taught in this course prepares students for successful completion of English II.

10222X0A English II

Credit: 1

Grade Level: 10

Prerequisites: English I and completion of all summer reading and assignments.

This course builds on skills mastered in English I, especially as they apply to World Literature and writing. Emphasis is placed on all communication skills. Mastery of skills taught in English II prepares students for college. This class will also be offered in the spring semester to be taken in conjunction with Foundations of English II, for those that chose that option. The State EOC assessment is required and will count 20% of the final grade.

10225X0H English II Honors/Cambridge IGCSE

Credit: 1 (.5 Quality Point)

Grade Level: 10

Prerequisites: English I and completion of all summer reading and assignments. To register for Honors Level English II, students need a level 5 on last year's EOC, 95% or higher on the winter NWEA, and a teacher recommendation.

Students taking this course should have the English skills to meet a demanding course of study. English II Honors applies the higher-level thinking skills in reading, writing, speaking, and listening. The course's rigorous academic pace demands high student expectations, a greater independence and depth of study than English II. This course is designed to prepare students for the advanced placement program. Emphasis is placed on the study of world literature and on expository writing. The State EOC assessment is required and will count 20% of the final grade.

10232X0A English III

Credit: 1

Grade Level: 11

Prerequisites: English II and completion of all summer reading and assignments.

This course builds on skills mastered in English II, especially as they apply to American Literature, writing and research. Emphasis is placed on all communication skills. Mastery of skills taught in English III prepares students for college. The State NCFE assessment is required and will count 20% of the final grade.

English III/Cambridge Literature

Credit:1(1 Quality Point)

Grade 11

Prerequisites: English II and completion of all summer reading and assignments. To register for Honors Level English III, students need a level 5 on last year's EOC, 95% or higher on the winter NWEA, and a teacher recommendation.

This course is writing intensive and has two aims: to encourage an appreciation of literature in English - prose, poetry and drama - of different types and from different cultures; and to develop the key skills required to read, analyze and communicate effectively in English. By studying a range of texts, learners understand more about writers' choices of structure and language, and develop their ability to form independent opinions about what they read. Learners also improve

their understanding of the English language and how it is used, extending their skills across a range of writing styles, including imaginative, discursive and argumentative. The State NCFE assessment is required and will count 20% of the final grade.

## **MATH CURRICULUM**

20502X0FMI Foundations of Math I

Credit: 1

Grade Level: 9

This will be one of the few courses offered in the fall on a semester basis, requiring the student to take Math 1 in the spring. This is a math remediation course designed to introduce students to Math I concepts. Topics covered include the study of integers, linear equations, inequalities, and polynomials. Any student who does not make a proficient score on the eighth grade EOG test should take this course. Students earn one elective credit towards graduation and will have math every day all year. Students must take Math I to meet the state requirement for Math I.

21032X0M1 Math I

Credit: 1

Grade Level: 7-9

Prerequisite: Math 8 or Level 5 on Math EOG, 95% or higher on NWEA, and teacher recommendation.

Math I provides students the opportunity to study concepts of algebra, geometry, functions, number and operations, statistics and modeling throughout the course. These concepts include expressions in the real number system, creating and reasoning with equations and inequalities, interpreting and building simple functions, expressing geometric properties and interpreting categorical and quantitative data. This class will also be offered in the spring semester to be taken in conjunction with Foundations of Math I, for those that chose that option. The state EOC test is required and will count as 20% of the final grade.

22012X0M2 Foundations of Math II

Credit: 1

Grade Level: 10-11

Prerequisites: Math I

This will be one of the few courses offered in the fall on a semester basis, requiring the student to take Math 1I in the spring. This is a math remediation course designed to continue a progression of the standards established in Math I. Any student who does not make a proficient score on the Math 1 EOC should take this course. Students earn one elective credit towards graduation and will have math every day all year. Students must take Math II to meet the state requirement for Math II.

22012X0M2 Math II

Credit: 1

Grade Level: 10-11

Prerequisites: Math I

Math II continues a progression of the standards established 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 class will also be offered in the spring semester to be taken in conjunction with Foundations of Math II, for those that chose that option. The state NCFE test is required and will count as 20% of the final grade.

22015X0M2 Math II Honors

Credit: 1 (.5 Quality Point)

Grade Level: 9-10

Prerequisite: To register for Honors Math II, students need a level 5 on last year's EOC, 95% or higher on the winter NWEA, and a teacher recommendation.

Math II continues a progression of the standards established 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. The state EOC test is required and will count as 20% of the final grade.

23012X0M3 Math III

Credit: 1

Grade Level: 10-11

Prerequisites: Math II or Math II Honors

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 state NCFE test is required and will count as 20% of the final grade.

23015X0M3 Math III Honors

Credit: 1 (.5 Quality Point)

Grade Level: 9-11

Prerequisite: To register for Honors Math III, students need a level 5 on last year's EOC, 95% or higher on the winter NWEA, and a teacher recommendation.

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 state NCFE test is required and will count as 20% of the final grade.

24035X0A Pre-Calculus Honors

Credit: 1 (.5 Quality Pt)

Grade Level: 11

Prerequisite: Math III

This course is designed for those students who are planning to continue their education beyond high school in a field of study where calculus is an entry level mathematics course. The course covers functions, graphing, trigonometry, sequences and series, and an introduction to calculus. The state NCFE test is required and will count as 20% of the final grade.

## SCIENCE CURRICULUM

35012X0A Earth/Environmental Science

Credit: 1

Grade Level: 9

This course is designed for students interested in studying basic principles of Earth Science. Special areas of study include: meteorology, historical geology, plate tectonics, mineralogy, astronomy, oceanography, geology, and environmental issues. The state NCFE test is required and will count as 20% of the final grade.

35015X0A Earth/Environmental Science Honors

Credit: 1 (.5 Quality Point)

Grade Level: 9

Prerequisites: Level 5 on 8<sup>th</sup> grade science EOG, B or higher in current science class, and teacher recommendation

Honors Earth/Environmental Science is a rigorous curriculum designed to allow highly motivated students to conduct an in-depth study of the Earth and Environmental Sciences. Students are expected to work independently on a variety of assignments and accept greater responsibility for their learning. In order to develop a greater understanding of the processes that shape our everyday lives, the curriculum will integrate inquiry investigations and a variety of technologies with the study of earth as a system. The impacts of human activities on earth systems will also be a focus. The results of student investigations will be communicated through presentations and formal laboratory reports. Enrichment and integration with other disciplines is encouraged. The state NCFE test is required and will count as 20% of the final grade.

33202X0A Biology

Credit: 1

Grade Level: 10

This course is designed to prepare the student to live in our world of technology with an in-depth understanding of science concepts and specialized instruction. Special emphasis is given to lab work and projects, which promote creativity and the use of the scientific method. Topics include: life functions, classification, cell biology, plant and animal structure, reproduction and ecology. The state EOC test is required and will count as 20% of the final grade.

33205X0A Biology Honors

Credit: 1 (.5 Quality Point)

Grade Level: 10

Prerequisite: Completion of Math I, 80 or better in Earth Science, and teacher recommendation

This will be one of the few courses offered in the fall on a semester basis, requiring the student to take AP Biology in the spring. This course is designed to give the student a more challenging and in-depth experience of the North Carolina Standard Course of Study in Biology. Students are expected to work independently on a variety of assignments and accept greater responsibility for their learning. In addition to the NCSCS goals and objectives, students are expected to: design and carry out several independent investigations of biological questions, read and report on recent research in biology, and demonstrate a more in-depth conceptual understanding of all biology objectives. The state EOC test is required and will count as 20% of the final grade.

31007X0AP Cambridge Biology

Credit: 1 (1 Quality Point)

Grade Level: 10

Prerequisites: Enrollment in Biology Honors in the fall

This course is designed for those who want a rigorous course of study in Biology. This course is based on the guidelines of The Cambridge Board and the syllabus for Cambridge Biology. The course is divided into three major areas of study: molecular and cell biology, principles of ecology, and evolution and behavior (an advanced laboratory science). Students are required to take the Cambridge Exam. This class will be taken spring semester.

34102X0A Physical Science\*

Credit: 1

Grade Level: 11

This course introduces the basic principles of physical science with an emphasis on chemistry and physics. The state NCFE test is required and will count as 20% of the final grade.

\*Chemistry and Physics also satisfy the graduation requirement of the “physical science” credit.

34305X0H Physics Honors

Credit: 1 (.5 Quality Point)

Grade Level: 11

Prerequisites: Biology and Math III

This course provides for a challenging and advanced study that enriches key physics topics and broadens the student’s view of the larger physics community including current research.

Substantial class time will be devoted to student-directed exploration and experimentation. An in-depth study of at least two of the following enrichment topics: optics, nuclear, modern physics, electromagnetism, thermodynamics, or engineering will be required. Physics is an appropriate course for students with a strong mathematics and science background. Success in this course will require the student to: 1) operate with algebraic expressions to solve complex equations which include trigonometric functions, 2) use exponents to solve problems, and 3) describe graphically, algebraically and verbally real world phenomena as functions and identify independent and dependent variables (a physical science or an advanced laboratory science).

\*This would satisfy the graduation requirement of the “physical science” credit.

## SOCIAL STUDIES CURRICULUM

42092X0A Civics and Economics

Credit: 1

Grade Level: 9-10

Prerequisite: World History or Upper School administrative approval

In this course, students will acquire the skills and knowledge necessary to become responsible and effective citizens in an interdependent world. Students will need a practical understanding of these systems of civics and economics that affect their lives as consumers and citizens.

Furthermore, this course serves as a foundation for United States History.

42095X0H Civics and Economics Honors

Credit: 1 (.5 Quality Point)

Grade Level: 9-10

Prerequisite: World History or Upper School administrative approval

This course covers material in greater complexity, novelty, acceleration and/or pacing. Honors students will learn to express and defend their ideas while attaining the distance necessary to accept constructive criticism. Teachers should incorporate opportunities for each student to become a reflective thinker who possesses the potential to become an initiator of learning and accomplishments exploring areas of his/her interests within the designated course of study.

43042X0AH American History I

Credit: 1

Grade Level: 11

Prerequisite: World History and Civics and Economics

The Founding Principles will begin with the European exploration of the new world 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. Students will learn about the important political and economic factors that contributed to the development of colonial America and the outbreak of the American Revolution as well as the consequences of the Revolution, including the writing and key ideas of the U.S. Constitution. American History I: The Founding Principles will guide students as they study the establishment of political parties, America's westward expansion, the growth of sectional conflict, how that sectional conflict led to the Civil War, and the consequences of the Civil War, including Reconstruction.

43032X0A World History

Credit: 1

Grade Level: We are in the process of moving World History to 10<sup>th</sup> grade. For this reason, both 9<sup>th</sup> and 10<sup>th</sup> graders will take Civics this year. This section of World History is just for students that are new to us and need the World History credit.

This course includes a survey of world civilizations and the impact their cultures have had on society. Similarities and differences among cultural patterns are studied in the economic, social, and political areas. The state NCFE test is required and will count as 20% of the final grade.

40697X0AP AP United States History

Credit: 1 (1 Quality Point)

Grade Level: 11

Prerequisite: A or B in World History Honors, an A or B in Civics and Economics Honors, and teacher recommendation.

This course is designed for those who want an Advanced Placement course of study in United States History. This course is based on the guidelines of The College Board and the syllabus for Advanced Placement United States History. Students are required to take the AP Exam at the end of the year.

### **REQUIRED HIGH SCHOOL CLASSES**

63022X0A Physical Education/Health

Credit: 1

Grade Level: 9

This course is required for high school graduation. Most students opt to take it in their 9<sup>th</sup> grade year. Physical, mental, social, and emotional health is explored. The physical education component consists of physical fitness testing, individual and team sports, and a variety of other activities.

Freshman Academy

Credit 1

Grade Level: 9

This course is designed to help freshman students make an easier and more successful transition from middle school into high school. The Academy is designed to equip 9th graders with the social, academic, and organizational skills necessary to make a positive start to high school and to provide a solid foundation for their future academic success.

### **HIGH SCHOOL ELECTIVES**

52302XO Vocal Music Beginning

Credit: 1

Grade Level: 9-11

This course is designed for the more mature voice and well-developed vocal technique and tonal quality. It includes 4 part singing and introduces sight singing. Music ranges from "pop" to classical and from the Renaissance to contemporary. Performances allow for the presentation of students' skills.

52312X0      Vocal Music Intermediate

Credit: 1

Grade Level: 10-11

Prerequisites: H.S. Beginning chorus or equivalent experience to be approved by instructor This course is designed for the more mature voice and well-developed vocal technique and tonal quality. It includes 4 part singing and introduces sight singing. Music ranges from "pop" to classical and from the Renaissance to contemporary. Performances allow for the presentation of students' skills.

52325X0      Vocal Music Proficient

Credit: 1(.5 Quality Pt)

Grade Level: 10-11

Prerequisites: Audition/Teacher recommendation only

This limited group is required to have advanced choral techniques and sight singing abilities. The group performs publicly and exhibits a high level of commitment and maturity towards to goal of representing to school in public settings.

5195X0ADV AP Music Theory

Credit: 1 (1 Quality Pt)

Grade Level: 10-11

Prerequisites: Previous music experience is encouraged, but not required.

AP Music Theory is an advanced level course designed to engage students in learning activities that will help them to achieve the outcomes assessed by the College Board's Advanced Placement Music Theory Examination. The AP Music Theory course is designed to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. These abilities will be developed through various listening, performance, written, creative, and analytical exercises. Students are required to take the AP Exam.

52412X0      Symphonic Orchestra

Credit: 1

Grade Level: 9-11

Prerequisites: 1 or more years of middle school orchestra or band experience or equivalent to be approved by instructor.

This course combines band instruments (brass, woodwinds, percussion) with strings (violin, viola, cello, string bass) to create a full symphonic orchestra. Students build on previous skills to explore the great classical works for full orchestra as well as "pop" and other styles.

52575X0      Jazz/Pep Band Proficient

Credit: 1 (.5 Qualify Point)

Grade Level: 9-11

Prerequisites: By audition/Teacher recommendation only

This audition only group represents the school in many public performances including formal concerts and Langtree athletic events. Electric violins, guitar, bass, brass and woodwinds play together to learn and present jazz and "pop" styles. Students will bring many years of experience to the group and hone their skills as individual and as ensemble players.

10312X0A Journalism I/Yearbook

Credit: 1

Grade Level: 9-11

Students who wish to work on the school publications should register for this course. It emphasizes the fundamentals of both yearbook and newspaper journalism. Writing is a central focus of this course and students will be expected to write for a variety of purposes and audiences.

10322X0NF Journalism I/Newspaper

Credit: 1

Grade Level: 9-11

This class produces the school newspaper. Students are assigned jobs as follows: editors, reporters, artists, photographers, and business.

10325X0YY Journalism II Honors/Yearbook

Credit: 1(.5 Quality Point)

Grade Level: 10-11

Prerequisite: Journalism I/Yearbook and teacher recommendation

Honors Journalism Yearbook is designed to challenge the advanced yearbook student who will serve as an editor for the publication. Students will have multiple opportunities to develop leadership and business skills as well as learn advanced techniques in copy writing, layout design, photography, and theme development. This course will actively involve students in a higher-level scholastic journalism experience that involves problem solving, critical analysis, and reflective thinking. Emphasis is placed on working as a team, meeting publisher's deadlines, and adhering to ethical standards.

11412X0A Spanish I

Credit: 1

Grade Level: 9-11

This course is an introduction to the study of the Spanish language and its culture. It allows students to perform the most basic functions of the language and to become familiar with some elements of its culture. The emphasis is placed on the development of the four skills of listening, speaking, reading, and writing within a given context extending outside of the classroom setting when possible. Grammar is integrated throughout the course and is selected according to the language needs (functions). A general introduction to the culture, its products (e.g., literature, laws, foods, games) perspectives (e.g., attitudes, values, and beliefs) and practices (patterns of social interaction) is integrated throughout the course. Students acquire some insight into how languages and cultures work by comparing the target language and culture(s) to their own. Integration of other disciplines is ongoing through-out the course.

11422X0A Spanish II

Credit: 1

Grade Level: 9-11

Prerequisite: Spanish I

This course provides students with opportunities to continue the development of their listening, speaking, reading and writing skills. Students participate in simple conversational situations by

combining and recombining learned elements of the language orally and in writing. They are able to satisfy basic survival needs and interact on issues of everyday life in the present time and past time inside and outside the classroom setting. They compose related sentences which narrate, describe, compare, and summarize familiar topics from the target culture. Focus is placed on understanding main ideas. They develop a better understanding of the similarities and differences between cultures and languages and they examine the influence of the beliefs and values on the target culture(s). Integration of other disciplines is on-going throughout the course.

11435X0A Spanish III Honors

Credit: 1 (.5 Quality Point)

Grade Level: 10-11

Prerequisite: Spanish II

This course provides students additional opportunities to expand their listening, speaking, reading, & writing skills as they create with the language and as they access short literary texts, authentic materials, & media on generally familiar topics. Students satisfy limited communication & social interaction demands; they initiate & maintain face-to-face communication. They identify main idea(s) & significant details in discussions, presentations, & written texts within a cultural context, read & interpret authentic materials, narrate and describe in sentences, groups of related sentences, and short cohesive passages in present, past, and future time and compose messages, announcements, personal notes, & advertisements. They continue to refine their knowledge & understanding of the target language & culture(s) & their own by examining the interrelationship of other cultures to their own, by demonstrating behaviors appropriate in target cultures, & applying their knowledge & skills inside & outside the classroom setting. Integration of other disciplines is on-going throughout the course.

11445X0A Spanish IV Honors

Credit: 1 (.5 Quality Point)

Grade Level: 10-11

Prerequisite: Spanish III

This will be an online course. A major focus of this course is to enable students to communicate in writing and in extended conversations on a variety of topics. Students begin to narrate, discuss, and support fairly complex ideas and concepts using concrete facts and topics in past, present and future time. They satisfy routine social demands and meet most social requirements. Another emphasis of this course is on culture and literature. Short stories, poetry, excerpts from various periods of literature, current events, and authentic materials are included. Emphasis is placed on independent reading. Finer points of grammar are studied to aid oral and written communication. There is more in depth study of the target culture(s) and their influence throughout the world. Students are able to connect the target language to other disciplines and compare it to their own.

54152X0A Art Beginning

Credit: 1

Grade Level: 9-11

This course introduces the beginning art student to the basic materials and techniques in the area of drawing, painting, graphics, and sculpture. Students will study Elements of Art. The major objectives are to develop basic skills in these areas, to emphasize creative ideas on paper, and to

encourage appreciation of the visual arts. Art appreciation is fostered through class discussion, portfolios, and oral critiques. Media students may work with include: graphite pencil, conte, ink, charcoal, pastels, collage, cut paper design, water colors, acrylic, tempera, and color pencils.

54162X0A Art Intermediate

Credit: 1

Grade Level: 10-11

Prerequisite: Art Beginning

This course stresses the areas of drawing, painting, graphics, and sculpture. The foundations of art are continued from Art I with a concentration on the principles of design. The major objectives of the course are to more fully develop the basic skills mastered in Art I. Art appreciation is fostered through class discussion and oral critiques. Media students may work with include: graphite pencil, conte, ink, charcoal, pastels, collage, cut paper design, water color, acrylic, tempera, and color pencils.

54612X0P Painting 101

Credit: 1

Prerequisites: Art Beginning

Grade Level: 10-11

This course introduces the concepts, materials, and techniques of painting. Experience the joys of painting as a means of expression with the introduction of painting methods using various materials such as acrylics, watercolors, oil paints, and newer media. Learn how to stretch and build your own canvas. Emphasis is placed on technique, color theory, originality of content, and development of personal style. Different art styles and techniques, as well as color theory and the principles of design will be explored. Historical and contemporary approaches will be studied through hands-on studio demonstration followed by concentrated student projects. Students at this level may want to purchase some of their own brushes and supplies.

54612X0S Sculpture

Credit: 1

Grade Level: 10-11

Prerequisites: Art Beginning

This is a studio course offering an in depth study of the Elements and Principles through the arrangement of materials in a Three Dimensional format. Students will create the following: realistic and free form, open and closed form, organic and inorganic form. We will experiment with processes such as assemblage, casting, carving, and modeling. Project materials will include wire, wood, plaster, stone, clay paper, polymer, and a variety of found objects.

BM102X0A Microsoft ITA: Word and PowerPoint

Credit: 1

Grade Level: 9-11

Students in Microsoft IT Academies benefit from world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom environment. The first part of the class is a supplemental section. Students will learn to create edit organize, and share a virtual note book. In the second part students will learn to use the newest version of Microsoft Word interface, commands and features to create, enhance, customize and share documents as well as create

complex documents and publish them. In the third part students will learn to use the newest version of Microsoft PowerPoint interface, commands and features to create, enhance, customize and deliver presentations.

BM202X0A Microsoft ITA: Excel and Access

Credit: 1

Grade Level: 9-11

Students in Microsoft IT Academies benefit from work-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom environment. The first part of the class is designed to help you use the newest version of Microsoft Excel interface; commands and features to present analyze and manipulate various types of data. Students will learn to manage workbooks as well as how to manage, manipulate and format data. In the second part of the class students will learn how to create and work with a database and its objects by using the new and improved features in the newest version of Microsoft Access. Students will learn how to create, modify and locate information as well as how to create programmable elements and share and distribute database information.

BD102X0A Multimedia and Web Design

Credit: 1

Grade Level: 10-11

Prerequisite: Word & PowerPoint

This course is designed to assist students in mastering advanced skills in the areas of integrating technology devices, Internet research strategies and uses, complex desktop publishing, multimedia production, and basic web page design. Emphasis is placed on skill development and refinement of skills in information technologies as well as economic, ethical, and social issues in the information technologies area.

Cambridge Global Perspectives:

Credit: 1 (1 Quality Point)

Grade Level: 11

Prerequisites: Level 5 on prior year EOC, 95% or higher on winter ELA NWEA, ELA Teacher recommendation

Cambridge International AS Level Global Perspectives prepares learners for positive engagement with our rapidly changing world. Learners broaden their outlook through the critical analysis of - and reflection on - issues of global significance. Course Selection Guide 2016-2017 39 Coral Springs Charter School. The Cambridge International AS Level Global Perspectives syllabus is based on skills rather than on specific content. Learners develop research, thinking, reasoning and communication skills by following an approach to analyzing and evaluating arguments and perspectives called the Critical Path. The skills gained through study of Cambridge International AS Level Global Perspectives enable students to meet the demands of twenty first century learning and make a successful transition to study in higher education.

NOTE: This course is mandatory for Cambridge students pursuing a Cambridge Diploma and counts as one of the seven required classes. Students are required to take the Cambridge Exam at the end of the year.

Cambridge General Paper:

Credit: 1 (1 Quality Point)

Grade Level: 10-11

Prerequisites: Level 5 on prior year EOC, 95% or higher on winter ELA NWEA, ELA Teacher recommendation

The AS General Paper is multi-disciplinary, its subject matter drawn from across the curriculum. The syllabus encourages in candidates the ability to make cross-curricular links; to develop a maturity of thought appropriate to students at this level; and to achieve an understanding and usage of the English language which enables them to express arguments, ideas and opinions in a reflective and academic manner. An awareness of the wider implications of particular issues will enhance the quality of the candidate's response to the question set. However, the AS General Paper is not a test of general knowledge. The key objective must be for the candidate to convey information or opinion in a way that is thoughtful, perceptive and immediately intelligible to the reader. This course would count towards the seven required classes for a Cambridge diploma. Students are required to take the Cambridge Exam at the end of the year.

Cambridge Thinking Skills:

Credit: 1 (1 Quality Point)

Grade Level: 11

Prerequisites: Level 5 on prior year EOC, 95% or higher on winter ELA NWEA, ELA Teacher recommendation

Thinking Skills develops a specific set of intellectual skills, independent of subject content, reflecting the need voiced by universities and employers for more mature and sophisticated ways of thinking. The Thinking Skills syllabus also enables students to approach their other subjects with an improved ability to understand, analyze and resolve problems. As a result, students will find the course of great benefit when preparing for higher education and for a wide range of careers, including law, scientific research, social science, journalism, medicine, business, accounting and engineering. The Thinking Skills syllabus encourages free and open debate, critical and investigative thinking, and informed and disciplined reasoning. This course would count towards the seven required classes for a Cambridge diploma. Students are required to take the Cambridge Exam at the end of the year.

HS STEM Elective:

Credit: 1

Grade Level: 9-11

This Science, Technology, Engineering, and Math (STEM) course will involve the participation in problem-based and project-based learning activities in mathematics and science inquiries learning tasks, and using technology to gain and display information. Students will practice backwards design to develop their own STEM learning activity.