Courses Offered

Visual Art

Beginning Visual Art
Study art history, art criticism, and aesthetics through studio exploration of two- and three-dimensional fine art, craft media and techniques.

Intermediate Visual Art
Expand study of art history, art criticism and aesthetics through studio exploration of fine art and craft media and techniques. Prerequisite: Beginning Visual Art, complete K-8 visual arts progression of coursework, or passing score on Beginning Advancement Assessment.

Proficient Visual Art
Specialized study of materials, techniques, historical and critical concepts in one area each quarter. Requires in-depth research and portfolio assessment. Prerequisites: Intermediate Visual Art, or Beginning Visual Art/complete K-8 visual arts progression of coursework and passing score on the Intermediate Advancement Assessment.

Advanced Visual Art
Study of materials, techniques, art history, and criticism in one area each quarter. Requires in-depth research and portfolio assessment. Prerequisite: Proficient Visual Art.

3-Dimensional Design Reynolds
Studio Art course with an emphasis on 3-D art including ceramics, paper mache and wire sculpture. Students will explore the elements and principles of design through the creation and critique of their own work.

Art for Engineers Atkins
Students will receive an intensive study of 3D design fundamentals and creative problem solving to develop skills needed in engineering, visualization, technology and visual art. Emphasis will be on 3D art making, using a wide range of media and materials. Prerequisites: Beginning Visual Art, complete K-8 visual arts progression of coursework, or passing score on the Beginning Advancement Assessment.

Art History Reynolds
Overview of art history from Prehistoric Art to Post-Modernism. Students will learn the role art can play in revealing the cultures and attitudes of past and present societies.

Digital Photography I Reynolds
Students will be exposed to photography through the use of the digital camera and Photoshop. Composition, value, color theory and other concepts will be covered.

Drawing I Reynolds
Studio Art course that concentrates on the development of different drawing techniques. Drawing is explored through life drawings and as a means of expression. Completion of a sketchbook is required.

Electronic Media Reynolds
Course centers on the use of computers as art-making tools. Students will be exposed to programs such as Photoshop, Illustrator and Flash. Course involves class critiques.

Painting I Reynolds
Studio Art course that emphasizes an introduction to painting by exposing students to water-based painting media including acrylic, watercolor, and tempera. Painting I involves class critiques.

Seminar in the Arts Reynolds
Sample course offerings in Cultural Languages, Theatre Arts, Choral Music, Instrumentation, Creative Writing, Movement/Dance, Dramatic Interpretation, Readings in the Arts, and Careers in the Arts. Each experience is designed to lay the foundation for building literacy and 21st Century workplace skills.

AP Art Drawing Career Center and Reynolds
Develop skills in drawing. Activities are in four major areas of perceptual, expressive, formal, and conceptual techniques. Portfolio development will prepare you for college or art school. Prerequisites: Intermediate Visual Art, or Beginning Visual Art/complete K-8 visual arts progression of coursework and passing score on the Intermediate Advancement Assessment.

AP Art History Career Center and Reynolds
Learn to examine works of art. Study art from other times and cultures in this intense, academic, non-studio course.

AP Art Portfolio 2-Dimensional Two Periods - Career Center and Reynolds
Apply research to produce two-dimensional art using media and techniques including painting, surface design, printmaking, weaving, collage, papercrafting, batik, digital imaging and photography. Portfolio development will prepare you for college or art school. Prerequisites: Intermediate Visual Art, or Beginning Visual Art/complete K-8 visual arts progression of coursework and passing score on the Intermediate Advancement Assessment.

AP Art Portfolio 3-Dimensional Two Periods - Career Center and Reynolds
Apply research to produce three-dimensional art using media and techniques including sculpture, architectural models, apparel, ceramics, assemblage, cast forms, fiber arts and metalwork. Portfolio development will prepare you for college or art school. Prerequisites: Intermediate Visual Art, or Beginning Visual Art/complete K-8 visual arts progression of coursework and passing score on the Intermediate Advancement Assessment.

IB Art I
Research and integrate visual art in various forms. This course provides students with opportunities to make personal, sociocultural and aesthetic experiences meaningful through the production and understanding of art. Promotes visual and contextual knowledge of art from various cultures. Junior- or senior-year course. Students are eligible for the IB SL Visual Art Assessment upon completion. Prerequisite: IB Art I.

IB Art II
Continue to study various artworks through experimentation and purposeful creative work in various expressive media. Senior-year course. Students are eligible for the IB SL or HL Visual Art assessment upon completion. Prerequisite: IB Art I.

Dance

Dance IA Semester
Examine dance as a form of communication and develop a strong technique base in contemporary and classical styles to improve strength, flexibility, and endurance. Explore basic concepts of choreography and performance within small group works and concert work. Students will examine implications of world history on master works of dance and identify optimal health and nutritional strategies. Provides required PE credit.

Beginning Dance
Examine dance as a form of communication and develop a strong technique base in contemporary and classical styles to improve strength, flexibility, and endurance. Explore basic concepts of choreography and performance within small group works and concert work. Students will examine implications of world history on master works of dance and identify optimal health and nutritional strategies.

Intermediate Dance
Develop advanced technique, create dance choreography and study dance history. Expand your knowledge of dance forms, improve performance capability and improve technique through a dynamic study of anatomy. Requires sophisticated performance technique, proficiency in creating individual works, small group dances, and analysis of choreographic forms. Prerequisite: Beginning Dance or a K-8 progression in Dance.

Proficient Dance
Develop a high level of technical, performing and choreographic proficiency. Study how dance helped shape U.S. history and express the many cultures that make up America. Requires creation of an interdisciplinary project that includes musical analysis, production elements, self evaluations, and analysis of choreographer’s intent versus audience interpretation. Prerequisite: Intermediate Dance or standard written assessment and portfolio assessment.

Advanced Dance
Achieve technique, create choreography, and analyze works of significant American 20th- and 21st-Century choreographers. Requires creation of a choreographic project that explores personal or socially significant issues and includes integration of performance values, production elements, self evolutions and analysis of professional roles for dancers within a dance company. Develop a personal aesthetic for creation of dance works. Prerequisite: Proficient Dance or standard written assessment and portfolio assessment.

Additional arts courses are available through the arts magnet program at Reynolds High School. Please call 703-4145 for more information or visit wsfcs.k12.nc.us/rjarts.
**Arts Education Sequencing**

<table>
<thead>
<tr>
<th>Arts student with complete K-8 progression in an arts discipline</th>
<th>Intermediate*</th>
<th>Proficient*</th>
<th>Advanced</th>
</tr>
</thead>
</table>

| Arts student without complete K-8 progression in an arts discipline | Beginning | Intermediate* | Proficient* | Advanced |

*Students may be placed in these classes based on optional performances or assessments

**IB Dance**
The diploma programme dance course is designed to offer students the opportunity to build on prior experience in dance while encouraging a broad approach to the subject. Supports the principles of the mission statement to foster student appreciation of diverse world cultures and traditions.

**Ballet Reynolds**
Develop classical technique, vocabulary and correct alignment within a structured ballet setting, including barre, center work and across the floor combinations. Expand knowledge of ballet history, dance discipline, performance and knowledge of the dancing body. Prerequisite: None.

**Beginning Jazz Reynolds**
Students will explore the stylized forms of jazz dance from Broadway to hip hop, dance technique, history and composition. Students will work to develop strength, flexibility, proper alignment, and musicality in this fast paced course. Prerequisite: Beginning Dance or audition.

**Tap Reynolds**
Examine various styles of tap dancing with a focus on musicality, rhythm, and technique. Explore basic concepts, terminology, history and technical skills of tap dance. This course is designed to offer students the opportunity to build on experience in dance while encouraging a broad approach to the subject. Prerequisite: None.

**STEM in the Dance Classroom Atkins**
This performance- and research-based course emphasizes the principles of dance, biotechnology, engineering and scientific visualization. Students explore and develop performance skills needed in each field. They will use engineering design principles to design and build structures to accompany and enhance their dance work. Students will use scientific visualization to record, edit and present videos in a 21st Century approach to dance performance. An essential understanding of elements and principles of design will be used throughout the course.

**Music**

*Note: Students who demonstrate exceptional ability may be placed in higher level music courses with teacher recommendation. Note: You may earn honors credit for up to four courses in each music area.*

**Beginning, Intermediate, Proficient and Advanced Guitar Reynolds**
Students learn foundations of classical technique and reading music for the nylon guitar. Students learn music for both solo and ensemble performance.

**Beginning, Intermediate, Proficient and Advanced Piano Reynolds**
Piano classes that progressively expand students’ abilities to play and read music. Students will perform in the Piano Showcase. Prerequisite: Previous level Piano.

**Band**

**Beginning Band**
Learn principles of tone production. Home technical skills and musicianship as appropriate for grade level. Gain performance experience. Students will be expected to attend evening concerts. Prerequisite: Eighth-grade band or teacher recommendation.

**Intermediate Band**
Develop principles of tone production. Improve technical skills, musicianship and musical understanding appropriate to grade level. Students will be expected to attend evening concerts. Prerequisite: Beginning Band, K-8 progression in band; or audition.

**Proficient Band**
Improve tone production, music reading skills, interpretive ability and technical skills appropriate to grade level. Requires grade V/VI music, solos, improvisation, sight reading, conducting full instrument scores. Students will be expected to attend evening concerts. Prerequisite: Intermediate Band or audition.

**Advanced Band**
Improve tone production, music reading skills, interpretive ability and technical skills appropriate to grade level. Requires grade V/VI music, solos, improvisation, sight reading, conducting full instrument scores and performance evaluation. Students will be expected to attend evening concerts. Prerequisite: Proficient Band or audition.

**Marching Band**
Marching band requires personal interaction, teamwork and leadership skills. Marching band also requires intense physical activity, including calisthenics, stretching, exercise, strength and endurance. Marching-band students are actively involved in the community through participation in community events, festivals and parades. Students must be enrolled in school-day band classes or have the band director’s recommendation. Prerequisite: Beginning Marching Band or audition.

**Advanced Marching Band**
Marching band requires personal interaction, teamwork and leadership skills. Marching band also requires intense physical activity, including calisthenics, stretching, exercise, strength and endurance. Marching-band students are actively involved in the community through participation in community events, festivals and parades. Students must be enrolled in school-day band classes or have the band director’s recommendation. Prerequisite: Intermediate Marching Band or audition.

**Beginning Jazz Ensemble**
Students study advanced instrumental techniques in a small ensemble setting covering jazz, swing, rock, Latin and other styles of music. The class has several more performance requirements than other band classes, including festival and contest performances. Students may take this as a secondary band class. Prerequisite: Prior participation in band and/or audition.

**Intermediate, Proficient and Advanced Jazz Ensemble**
Study advanced instrumental techniques in a small ensemble setting covering jazz, swing, rock, Latin and other styles of music. The class has several more performance requirements than other band classes. Students may take this as a secondary band class or have the band director’s recommendation. Prerequisite: Prior Jazz Band course or audition.

**Chorus**

**Beginning Chorus**
Learn principles of vocal tone production and musicianship. Perform music appropriate to grade level. Students will be expected to attend evening concerts. Prerequisite: none.

**Intermediate Chorus**
Develop principles of vocal tone production, musicianship and musical understanding. Perform music appropriate to grade level. Students will be expected to attend evening concerts. Prerequisite: Beginning Chorus or a K-8 progression.

**Proficient Chorus**
Develop principles of vocal tone production, music reading and interpretation. Perform music appropriate to grade level. Honors requires Grade IV/V music, improvisation, variations, accompaniments, full vocal score reading and nonstandard notation interpretation. Evening concerts expected. Prerequisite: Intermediate Chorus or audition.

**Music Requirements**
For classroom study and home practice, each string, orchestra and band student must own or rent an instrument and the appropriate materials and accessories.

Some high schools offer special choral or instrumental ensemble groups that are open by audition only. For more information, contact your music teacher or counselor.
Advanced Chorus
Develop vocal tone production principles, music reading skills and interpretation. Perform music appropriate to grade level. Honors requires Grade V/VI music, ensemble performance, nonstandard notation transcription, improvisation, sight reading and performance evaluation. Students will be expected to attend evening concerts. Prerequisite: Proficient Chorus or audition.

Beginning, Intermediate, Proficient and Advanced Concert Choir
These are year-long, upper-level performance opportunities offered to experienced music students who are accomplished in vocal performance. Students will continue to develop vocal technique and musicianship as well as develop critical thinking skills through the analysis of musical elements, including form and text. The Concert Choir will have several more performance requirements than other chorus classes, including festival and contest performance. Students may take this only as a secondary Chorus class or have the Chorus director’s recommendation. Prerequisite: Previous level Concert Choir or audition.

Musical Theater/Light Opera Repertoire I
Reynolds
Course gives students individual and ensemble work in acting, singing, and dancing. Introduction to the standard repertoire of genre for vocalists, developing at least two standards appropriate for voice/characters, useful for auditions, history of musical theatre and opera, and audition techniques. Participation in oratorio and musical theatre performances with attendance at after school rehearsals and performances is required. Prerequisite: Audition.

Orchestra
Beginning Orchestra
Learn care of your instrument and equipment, principles of string tone production, and musical understanding. Perform music appropriate to grade level. Students will be expected to attend evening concerts. Prerequisite: Eighth-grade strings or audition.

Intermediate Orchestra
Develop principles of string tone production, musicianship and musical understanding. Perform music appropriate to grade level. Students will be expected to attend evening concerts. Prerequisite: Beginning Orchestra, K-8 progression in Orchestra, or audition.

Proficient Orchestra
Develop principles of string tone production, music reading skills and interpretation. Perform music appropriate to grade level. Honors requires Grade IV/V music, solos, improvisation, sight reading, and reading a full instrumental score. Students will be expected to attend evening concerts. Prerequisite: Intermediate Orchestra or audition.

Advanced Orchestra
Develop principles of string tone production, skills in music reading, and interpretation. Perform music appropriate to grade level. Honors requires Grade V/VI music, solos, improvisation, sight reading, performance evaluation and conducting a full score. Students will be expected to attend evening concerts. Prerequisite: Proficient Orchestra or audition.

Music Production
Electronic Music I Career Center
Explore, understand, manipulate and create music and sound through the use of technology and learn how to implement the use of music technology in today’s competitive markets. Discover the fundamentals of sound and music theory and understand their relationship. Students will work in groups in the recording studio to create projects throughout the year. Prerequisite: Must be able to play a musical instrument. Ability to read music is helpful. $30 fee to cover use of equipment.

Proficient Electronic II Career Center
Build upon what was learned in Music Production I with advanced projects and assignments. Learn entrepreneurial skills for today’s market and explore cutting-edge technology through field trips and professional productions. Prerequisite: Music Production I. $30 fee to cover use of equipment.

Music Theory and History
Music History Career Center
Music history is a survey of music, starting with early civilization and continuing through the 20th Century, including western music traditions and contributions of American composers and music styles. Students must be able to read music. Some background in music theory is recommended.

AP Music Theory Career Center
Learn music fundamentals, ear training, simple composition and principles of harmony and musical analysis. Prerequisite: Ability to read music well in at least one clef.

IB Music
Course emphasis on musical forms and structure, with a concentration on performance, composition and analysis. Two-year course offered for juniors and seniors. Prior knowledge of music theory and performance is recommended. Students may sit for the IB SL or HL Music assessment upon completion.

Theatre Arts
Introduction to Film and Video Reynolds
Study of photography, film and video history will introduce students to the field. Studio and location use of digital cameras, techniques for computer production of photographs, slide shows and transformation of slide shows into video will be explored. Students must purchase inkjet photographic paper. Prerequisite: Seminar in the Arts and approval of instructor.

Beginning Theatre Arts
Investigate and develop confidence and competence in speech, movement, acting techniques and technical theatre.

Intermediate Theatre Arts
Practice and refine the skills and techniques developed in Beginning Theatre Arts. Prerequisite: Beginning Theatre Arts, K-8 progression, or audition.

Proficient Theatre Arts
Study playwriting, acting, period and style. Assist with major productions. Study acting and directing techniques. Honors credit requires an acting project. Prerequisite: Intermediate Theatre Arts or audition.

Advanced Theatre Arts
Gain more experience in acting and directing plays for classroom and public production. The Honors course requires a research project on theatre history and a directing project. Prerequisite: Proficient Theatre Arts.

Intermediate Technical Theatre
Designed to acquaint the student with the elements and technology of stagecraft. Topics include scenery construction, scenic painting, rigging, props, lighting, sound, shop safety, and the collaborative process. Weekly after-school crew participation is required. Prerequisite: Beginning Theatre Arts and interview with instructor.

Proficient Technical Theatre
Designed to advance student knowledge in all aspects of technical theatre through the study of the design elements and the technology of stagecraft. Topics include the design and implementation of designs by students and other designers. Students are required to produce a portfolio for college admission interviews. Weekly after-school crew participation is required. Prerequisite: Intermediate Technical Theatre.

Advanced Technical Theatre
Designed to allow students to take leadership roles in all aspects of technical theatre through the further study of design elements and technology of stagecraft. Topics include the design and implementation of designs by students and other designers. Students are required to produce a portfolio for college admission interviews. Weekly after-school crew participation is required. Prerequisite: Proficient Technical Theatre (Honors).

IB Theatre Arts I
Create, perform and analyze dramatic performances and works. Develop a deeper understanding of social and personal issues and a broader world view. Make connections between what you learn in theatre arts and other subjects. Junior- or senior-year course. Students may sit for the IB SL Theatre Arts assessment upon completion.

IB Theatre Arts II
Continue to study theatre arts with a global perspective. Senior-year course. Students may sit for the IB SL or HL assessment upon completion. Prerequisite: IB Theatre Arts I.

English
Essentials of High School English I
Develop and apply close reading skills while learning how to analyze a variety of complex texts. Master word attack strategies. Students will practice and refine literacy skills to prepare them for the rigor and knowledge demands of English I and the North Carolina Final Exam for English I. This course is intended for students scoring an achievement Level 1 or Level II on the North Carolina End of Grade 8th grade English exam. This bridge course does not count as an English credit.

English I
Explore how audience, purpose, and context shape oral communication, written communication, and media and technology. While emphasis is placed on personal expression, students also engage in meaningful communication for expository, argumentative, and literary purposes.

Honors Seminar I
Develop critical thinking skills and learn to process knowledge across all subject areas through English. Factual information is integrated into problem solving. Participate in extensive research projects and prepare students for future AP courses.
### English Flow Chart

<table>
<thead>
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<th>Grade 11</th>
<th>Grade 12</th>
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</thead>
<tbody>
<tr>
<td><strong>English I</strong></td>
<td><strong>English II</strong></td>
<td><strong>English III</strong></td>
<td><strong>English IV</strong></td>
</tr>
<tr>
<td>English I (HN)</td>
<td>English II (HN)</td>
<td>English III (HN)</td>
<td>English IV (HN)</td>
</tr>
<tr>
<td>Honors Seminar I</td>
<td>Honors Seminar II</td>
<td>AP English</td>
<td>AP English</td>
</tr>
</tbody>
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Flow charts contain selected course sequences

#### Introduction to Composition Semester
Write from life experiences, learning how to develop and express ideas in a variety of styles and practicing grammatical form and structure.

#### Intermediate Composition Semester
Develop a variety of short compositions to improve writing style and usage on emphasis on more complex written assignments.

#### SAT Preparation Semester
Please see p. 21 for description.

#### Introduction to Journalism
Study basic elements of newspaper writing, including newswriting and analysis, editorials, features, sports, effective layouts and headlines. Learn to write for publication.

#### Newspaper I
Learn the task of newspaper production while continuing to develop and refine your writing skills as a member of the newspaper team. Prerequisite: Introduction to Journalism.

#### Newspaper II
Plan, design, and publish the school’s newspaper; manage advertising and financing; strengthen and polish editorial skills; assume management responsibilities. Prerequisite: Newspaper I.

#### Newspaper III
Continue the study of layout, management, writing and editing. Prerequisite: Newspaper II.

#### Newspaper IV
Plan, design and publish the school’s newspaper; manage advertising and financing; strengthen and polish editorial skills; assume management responsibilities. Prerequisite: Newspaper III.

#### Newspaper V
Continue to study layout, management, writing and editing. Prerequisite: Newspaper IV.

#### Yearbook Publications I
Learn the art and business of publishing the school’s yearbook; building individual responsibility and teamwork. Prerequisite: Introduction to Journalism.

#### Yearbook Publications II
Plan and publish the school’s yearbook. Prerequisites: Yearbook Publications I.

#### Yearbook Publications III
Continue as editors and staff members. Prepare the school’s yearbook. Prerequisites: Yearbook Publications II.

#### Yearbook Publications IV
Continue as editors and staff members. Plan and publish the school’s yearbook. Prerequisite: Yearbook Publications III.

#### Yearbook Publications V
Continue as editors and staff members. Prepare the school’s yearbook. Prerequisites: Yearbook Publications IV.

### Ethnic American Literature
Explore the connections among ethnic identity, literature, and culture in the United States. Content will focus on divergent racial and ethnic histories to examine the combinations of identification and alienation that make up an “ethnic” identity.

### Studies in North Carolina Literature
Explore the writings of North Carolina authors to enrich understanding of literature, history, and current events through the study of relevant material.

### AP English - Composition and Literature
Learn to read and critically analyze literature by considering a work’s structure, style and themes; intensively study representative works from various genres and periods, concentrating on works of recognized literary merit; and reflect on the social and historical value of the works. Lengthy reading assignments and summer reading required. Recommended senior year course.

### AP English - Language and Composition
Read complex texts with understanding, including primary and secondary sources; synthesize material from these texts in compositions and cite them appropriately; and write prose with sufficient richness and complexity to communicate effectively with mature readers. Emphasis on analytical, argumentative, and expository essays. Lengthy reading assignments, summer reading and a formal research paper required. Recommended junior year course.

### IB English III
Develop a personal appreciation of literature and understanding of techniques involved in literary criticism. Students improve their power of expression in written and verbal communication and practice and develop skills used in writing and speaking in a variety of styles and situations. Junio year course; first year of the two-year IB Language A1 course. Prerequisite: Honors English or Seminar II.

### IB English IV
Study, comprehend and analyze literature of varying length and complexity, foster an understanding and appreciation of the writer’s craft in literature, and gain an international perspective through the comparative study of works from the student’s own culture and other cultures. Senior-year course. Upon completion, students will sit for the IB HL Language A1 assessment. Prerequisite: IB English III.
English as a Second Language (ESL)

ESL courses are offered for students with limited English proficiency at Carver, East Forsyth, Glenn, Mount Tabor, North Forsyth, Parkland, Reynolds and West Forsyth.

ESL I
For students scoring a composite level 1 on the W-APT/ACCESS assessment. Focus is on the WIDA English language proficiency standards with emphasis on social and instructional language. Students will begin to acquire the language necessary to be successful in core content classes. Students will focus on developing reading, writing, listening and speaking skills.

ESL II
For students scoring a composite level 2 on the W-APT/ACCESS assessment. Focus is on the WIDA English language proficiency standards with an emphasis on the language of social studies, science, English language arts and math. Students will learn basic grammatical structures and more complex vocabulary in the context of academic reading, writing and speaking English.

ESL III
For students scoring a composite level 3 on the W-APT/ACCESS assessment. Focus is on the WIDA English language proficiency standards with an emphasis on the language of social studies, science, English language arts and math. Students will approach full English proficiency in the use of academic language and further develop comprehension and fluency comparable to that of native English speakers.

ESL IV
For students scoring a composite level 4 and above on the W-APT/ACCESS assessment. This class will place a greater emphasis on developing writing ability. Focus is on the WIDA English language proficiency standards with an emphasis on the language of social studies, science, English language arts and math. Students will approach full English proficiency in the use of academic language and further develop comprehension and fluency comparable to that of native English speakers.

Sheltered Courses for LEP students
Sheltered courses follow the SIOP protocol and are designed for LEP students. The courses follow the same content area curriculum with an added emphasis on using supplementary resources and various teaching strategies to support English language development. The availability of SIOP subject-area classes depends on the number of LEP students at a particular site and the organization of a school. For additional support and information, please call the Title III office at 727-8029.

Sheltered HS English
Sheltered English I
Sheltered Foundations of Math I
Sheltered Math I (EOC)
Sheltered Biology (EOC)
Sheltered Earth / Environmental
Sheltered World History
Sheltered Civics and Economics

World (Foreign) Languages

World (foreign) languages are defined as one of three types: Modern, Classical, and Heritage. WS/ FCS offers courses in all three categories. The N.C. World Language Essential Standards provide the basis for the curriculum for all courses. The standards are based on the American Council on the Teaching of Foreign Language (ACTFL) Proficiency scale and the three modes of communication: interpersonal, interpretive and presentational. Cultural concepts are integrated throughout all courses. The standards define exit proficiency expectations for each course level.

Modern Languages: American Sign Language, Chinese, French, German, Japanese, Spanish

Classical Language: Latin

Heritage Language: Practical Spanish for Native Speakers

American Sign Language Level I & II
American Sign Language (ASL) is a visual language in the Modern Languages category. Level I students learn basic interactive, receptive and expressive skills. Students learn three modes of communication: interpretive, interpersonal and presentational. Level II students continue to develop their Receptive and Expressive skills through the three modes of communication. Students participate in short conversational situations and use the language to interact in everyday life situations. Students are expected to gain Novice High proficiency on the ACTFL. ASL meets foreign language requirements for UNC admissions. Prerequisite: ASLI.

Modern Language Level I (Chinese, French, German, Japanese, Spanish)
Level I students begin to understand, speak, read and write in the target language. They develop skills in the three modes of communication: interpersonal, interpretive, and presentational. The course addresses the three modes of communication and language in everyday life situations. Students are expected to gain Intermediate High proficiency on the ACTFL. Students will continue to develop learning strategies to increase success in other academic classes.

Modern Language Level II (Chinese, French, German, Japanese, Spanish)
Students continue to develop listening, reading, writing, and speaking skills. They interact using the three modes of communication: interpersonal, interpretive, and presentational. Students gain deeper cultural understanding as a part of their language study. Students expand their knowledge of vocabulary and grammar to create with the language and engage in meaningful communication. Students are expected to gain Novice Mid proficiency on the ACTFL language proficiency scale. Prerequisite: Level I.

Modern Language Level III (Chinese, French, German, Japanese, Spanish)
IB MYP Level II (French, German, Spanish, Latin)
IB MYP Level III (French, German, Spanish, Latin)
AP Spanish Literature Career Center

Enhance listening, speaking, reading and writing skills. Further intercultural awareness and reflect upon cultural perspectives. The course addresses the required state curriculum and the IB MYP. Prerequisite: Level I of language.

IB: MYP Level II (French, German, Spanish, Latin)
IB: MYP Level III (French, German, Spanish, Latin)
AP Spanish Literature Career Center

Students refine and use their language skills to read, discuss and analyze authentic texts, including plays, poetry and short stories. Students study works from Spanish and Latin American authors of the 15th-21st centuries. Students are expected to gain Advanced Low proficiency on the ACTFL language proficiency scale. Prerequisite: Level III or SNS II.

AP Chinese

Students refine and refine their interpersonal, interpretive, and presentational language skills. They use the language to discuss, read and write about literature, history, culture and global issues. Students continue to develop language skills that can be used in a work setting. Students are expected to gain Intermediate High proficiency on the ACTFL language proficiency scale. All Level V language courses are Honors level courses. Prerequisite: Level IV; SNS II. (German offered at Carver Center and home schools.)

AP French

Students expand and refine their skills in the three modes of communication: interpersonal, interpretive, and presentational. The course addresses the three modes of communication and language in everyday life situations. Students are expected to gain Intermediate High proficiency on the ACTFL language proficiency scale. All Level IV language courses are Honors level courses. Prerequisite: Level III; SNS II. (German offered at Carver Center and home schools.)

AP German

Students expand and refine their skills in the three modes of communication: interpersonal, interpretive, and presentational. They explore literature and global issues in the target language, further deepening their understanding of cultural practices, products, and perspectives. Students gain language skills that can be used for practical purposes in a work setting. Students are expected to gain Intermediate High proficiency on the ACTFL language proficiency scale. All Level IV language courses are Honors level courses. Prerequisite: Level III; SNS II. (German offered at Carver Center and home schools.)

AP Japanese

Students expand and refine their skills in the three modes of communication: interpersonal, interpretive, and presentational. They explore literature and global issues in the target language, further deepening their understanding of cultural practices, products, and perspectives. Students gain language skills that can be used for practical purposes in a work setting. Students are expected to gain Intermediate High proficiency on the ACTFL language proficiency scale. All Level IV language courses are Honors level courses. Prerequisite: Level III; SNS II. (German offered at Carver Center and home schools.)

AP Latin

Students refine and use their language skills to read, discuss and analyze authentic texts, including plays, poetry and short stories. Students study works from Latin American authors of the 15th-21st centuries. Students are expected to gain Advanced Low proficiency on the ACTFL language proficiency scale. Prerequisite: Level III or SNS II.

AP Spanish

Students refine and use their language skills to read, discuss and analyze authentic texts, including plays, poetry and short stories. Students study works from Spanish and Latin American authors of the 15th-21st centuries. Students are expected to gain Advanced Low proficiency on the ACTFL language proficiency scale. Prerequisite: Level III or SNS II.

AP World History

Students refine and use their language skills to read, discuss and analyze authentic texts, including plays, poetry and short stories. Students study works from Spanish and Latin American authors of the 15th-21st centuries. Students are expected to gain Advanced Low proficiency on the ACTFL language proficiency scale. Prerequisite: Level III or SNS II.
through a range of learning tools and provide a global perspective. Continue developing an understanding of the perspectives of cultures. The course addresses the required state curriculum and the IB MYP through global contexts, interdisciplinary units, student collaboration and Socratic Seminars. Prerequisite: IB MYP Level II of language.

**IB SL Level IV (French, German, Spanish, Latin)**

Students further expand their interpersonal, interpretive and presentational skills. Students use the target language to communicate about current trends, including social relationships, global issues and other topics. IB Level IV is a junior year course and the first year of the IB Language B course. Prerequisite: Level III, SNS II for IB Spanish.

**IB SL Level V (French, German, Spanish, Latin)**

Students refine and expand their interpersonal, interpretive and presentational skills. They are able to express themselves and communicate effectively about current trends, including media communication, to express themselves and communicate effectively about current trends, including media communication. Students refine speaking and writing skills and improve literacy skills that transfer to other academic areas. The course meets the foreign language requirement for UNC admissions. SNS Level II is an Honors level course. Students can take Spanish IV or AP after SNS II. Prerequisite: SNS I, earned at middle or high school.

**Latin I**

Students develop an understanding of Latin grammar and classical culture with an overview of everyday customs, traditions, art and history of Roman times. Emphasis is placed on interpretive and presentational communication. Students gain a strong vocabulary base of Latin words and word parts which transfer to use in English and other academic disciplines. Students are expected to gain Novice Mid/High proficiency on the ACTFL language proficiency scale.

**Latin II**

Students expand their understanding of the language and Roman culture. Interpretive and presentational communication skills continue to be emphasized. Students use adapted and authentic texts to improve their skills and knowledge. Integration of other disciplines, with special emphasis on English Language Arts, is ongoing throughout the course. Students are expected to gain Novice High/Intermediate Low proficiency on the ACTFL language proficiency scale. All Level III language courses are Honors level courses. Prerequisite: Latin I, earned at middle or high school.

**Latin III**

Students expand their language skills and cultural knowledge. They gain further understanding in how Latin language and culture remains influential in current society. Students read authentic texts from authors such as Cicero and Ovid. Students continue to gain skills that transfer to use in English, social studies, and other disciplines. Students are expected to gain Intermediate Low/Mid proficiency on the ACTFL language proficiency scale. All Level IV language courses are Honors level courses. Prerequisite: Latin II.

**Latin IV**

Students continue to expand their language skills and cultural knowledge through the works of Roman authors. They study authentic texts and learn more about the history of the Roman empire. Students are expected to gain Intermediate Mid/High proficiency on the ACTFL language proficiency scale. All Level IV language courses are Honors level courses. Prerequisite: Latin III.

**Latin V**

Students refine their language skills and read complex, authentic texts. They study works from authors such as Catullus and Ovid. Emphasis is placed on figures of speech, analysis and essay writing. Students are expected to gain Intermediate High/Advanced Mid proficiency on the ACTFL language proficiency scale. All Level V language courses are Honors level courses. Prerequisite: Latin IV.

**AP Latin**

Students improve their language skills through the study of Virgil and other Roman masters. They continue to explore Roman culture and politics and gain skills that transfer to English, social studies and other disciplines. Prerequisite: Latin III.
Health
Health Semester
Learn and demonstrate skills for maintaining a healthy life through the strands of mental and emotional health; personal and consumer health; interpersonal communication and relationships; nutrition and physical activity; and alcohol, tobacco and other drugs. Learn how to find help from community resources for prevention of various health problems, treatment and support. Required for graduation.

Health Honors
Focus on scientific and physiological aspects of the five strands of health education, leadership, service and project-based components, and the application of technology and research. Prerequisite: Health with a grade of B or greater.

Life Management Skills
Life Management Skills Semester
Develop skills for success in high school and beyond. Study character traits and how they apply to leadership, goal-setting, decision-making, stress management, study skills, relationships, conflict resolution and Internet citizenship. This course will offer the CPR instruction mandated for graduation. Service project required. Required for all ninth-grade students and for graduation. Students who successfully complete 18 weeks of IBOTC (18 weeks under the A/B block schedule, 9 weeks under the regular block course) may receive graduation credit for the course with the approval of their guidance departments. Students in 10th, 11th and 12th grades who need to meet the graduation requirement may take an alternative course, such as Personal and Social Responsibility, Quest or JROTC.

Personal and Social Responsibility Semester
Learn responsibility and accountability for actions. Learn critical concepts and behavioral skills through role playing, games and small group activities designed to strengthen self-esteem, responsibility, effective relationships, conflict resolution, problem solving, and goal setting. Prerequisite: teacher recommendation for ninth- and 10th-grade students.

Quest/Skills for Action Semester
Participate in class discussions, sharing and service to the school and community. Practice service learning through volunteer projects in class and as part of the community.

Mathematics
Introductory Mathematics
A survey of preparatory topics for high school-level mathematics courses, including the foundations for algebra and geometry. Recommended for ninth-graders who score at Level I on the eighth-grade NC Math EOG. Does not count as a math credit for the Future-Ready Core Course of Study.

Foundations of NC Math 1
Strengthens skills needed for success in NC Math 1. Does not count as a math credit for the Future-Ready Core Course of Study.

NC Math 1
Study concepts of algebra, geometry, functions, number and operations, statistics and modeling throughout the course. 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. Technology, including manipulatives, graphing calculators, and application software, will be used for instruction and assessment. First math course for Future Ready Core Course of Study.

Foundations of NC Math 2
Strengthens skills needed for successful completion of NC Math 2. Does not count as a math credit for the Future-Ready Core Course of Study.

NC Math 2
Continues progression of standards established in NC Math 1. NC Math 2 also includes polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusions. Technology, including manipulatives, graphing calculators, and application software, will be used for instruction and assessment. Second math course for Future Ready Core Course of Study. Prerequisite: NC Math 1.

IB-MYP NC Math 2
Content includes algebraic concepts such as the complex number system, inverse functions, trigonometric functions, the unit circle, and geometric concepts of conics and circles. Technology, including manipulatives, graphing calculators, and application software, will be used for instruction and assessments. The course addresses the required state curriculum as well as that of the International Baccalaureate Middle Years Programme through global contexts, interdisciplinary units, student collaboration and Socratic Seminars. Prerequisite: NC Math 2.

Advanced Functions and Modeling
Provides an in-depth study of modeling and applying functions. Applications will come from home, work, recreation, consumer issues, public policy and scientific investigations among other areas. Manipulatives, graphing calculators and application software used for instruction and assessment. Prerequisite: NC Math 3, Algebra II or Integrated NC Math 3. Counts as a fourth math course for Future-Ready Core Course of Study.

Discrete Mathematics
Learn about the mathematics of networks, social choice and decision making. Extends application of matrix arithmetic and probability. Applications and modeling are central to this course. Manipulatives, calculators and application software used for instruction and assessment. Prerequisite: NC Math 3, Algebra II or Integrated Math III. Counts as a fourth math course for Future-Ready Core Course of Study.

Essentials for College Math
Designed to strengthen understanding of advanced algebra concepts involving exponentials, quadratics, equations, measurement, number operations, systems, linear functions and statistics. Senior-level course not intended for those planning to major in a STEM (science, technology, engineering, and mathematics) area beyond high school. Prerequisite: NC Math 3. Counts as a fourth math course for Future-Ready Core Course of Study.

Pre-Calculus
Prepare for college-level courses in calculus and abstract algebra. Prerequisite: NC Math 3, Algebra II or Integrated Math III. Counts as a fourth math course for Future-Ready Core Course of Study.

IB-MYP Pre-Calculus
Content prepares students for college-level courses and includes discrete and continuous functions, logarithms and exponentials, analytical trigonometry, parametric equations, sequences and series and limits as it applies to entry-level calculus. Technology, including manipulatives, graphing calculators, and application software, will be used for instruction and assessment. The course addresses the required state curriculum as well as that of the International Baccalaureate Middle Years Programme through global contexts, interdisciplinary units, student collaboration and Socratic Seminars. Prerequisite: NC Math 3.

Computer Science
Learn to program in BASIC/Visual BASIC/Pascal and apply computer programming skills to the solutions of problems in mathematics and other fields. Prerequisite: B in NC Math I, Math II or enrolled in NC Math 3 for Honors credit. Does not count as a math credit for the Future Ready Core Course of Study.
### Systems Modeling Career Center
Provide learners an introduction to the study of system dynamics through modeling. STELLA software will be used to visualize and communicate how complex systems and ideas work. (Career Center only). Prerequisite or Co-requisite: Pre-Calculus or Integrated Math IV. *Does not count as a math credit for the Future-Ready Core Course of Study.*

### AP Calculus AB
Study elementary functions and introductory differential and integral calculus. Prerequisite: Pre-Calculus or Integrated Math IV.

### AP Calculus BC Career Center
Cover the calculus of functions of a single variable, geometry in the plane, elementary differential equations, and sequences and series. Prerequisite: Pre-Calculus or Integrated Math IV.

### AP Computer Science Principles Career Center
Offers a multidisciplinary approach that focuses on the creative aspects of programming, abstractions, algorithms, large data sets, cybersecurity concerns and computing principles. Technology will be used to address real-world problems and build relevant solutions. *Does not count as a math credit for the Future Ready Core Course of Study.*

### AP Computer Science A Career Center
Study programming in Java with an emphasis on programming methodology and class design. Equivalent to a one-semester college level course in Computer Science. For students considering majors in computer science, engineering or related fields. Prerequisite: completed or enrolled in Math III Honors or completed Algebra II Honors or Integrated Math III Honors. *Does not count as a math credit for the Future Ready Core Course of Study.*

### AP Statistics Career Center
Learn concepts and tools for collecting, analyzing and drawing conclusions from data. This full year course is equivalent to one semester, introductory, non-calculus based, college course in statistics. Prerequisites: Pre-Calculus or Integrated Math IV, or enrolled in Pre-Calculus.

### IB Math Studies I
Use an inquiry approach to investigate mathematical concepts. Cover concepts that can be applied to contexts that relate to other subjects, general world situations and topics that relate to home, work and leisure. Junior-year course; first year of IB SL Math Studies course. Prerequisite: Algebra II or Integrated Math III.

### IB Math Studies II
Participate in data collection experiment and produce a statistical analysis project. Senior-year course; second year of IB Math Studies SL course. Upon completion, students may sit for the IB SL Math Studies assessment. Prerequisite: IB Math Studies I.

### IB Math 1
Be introduced to important mathematical concepts through the development of mathematical techniques. Apply the mathematical knowledge you learn to solve meaningful problems. Appreciate the international dimensions of mathematics and the multiplicity of its culture and historical perspectives. Junior-year course; first year of IB SL Math course. Prerequisite: Honors Algebra II, Honors Integrated Math III or Honors Math III.

### IB Math II
Create a portfolio of mathematical problem-solving skills. Study advanced analysis of functions and a full year of calculus. Senior-year course; second year of IB SL Math course. Upon completion, students may sit for the IB SL Math assessment. Prerequisite: IB Math I.

### Military Science
The Military Science (JROTC) program prepares students for leadership roles while making them aware of their rights, responsibilities and privileges as Americans. The program promotes graduation from high school and provides instructional opportunities that benefit the student and community. Wearing the military uniform once a week is a requirement to participate in JROTC. While in uniform, cadets must meet the minimum appearance standards, including haircut standards.

Honors credit is available for Levels IV and V JROTC courses. The honors curriculum builds on previous JROTC courses and focuses on short- and long-range planning, decision-making skills, and the coordination, control and execution of cadet organization activities. It includes a research-based essay project and oral presentation. Honors students must have previously completed JROTC III, apply to and be interviewed by the JROTC Leadership Board, and be approved by the Senior Service Instructor.

Military Science is an elective under the Future-Ready Core Course of Study. Cadets who successfully complete 18 weeks under the A/B block schedule (9 weeks under the regular block schedule) of JROTC may receive credit for Life Management Skills and PE II with approval of their guidance counselor and the JROTC Senior Instructor. The four basic JROTC courses, plus the add-on levels of LET V, must be completed successfully in sequence. Cadets may only take Level IV and V courses with the approval of the Senior Instructor.

### U.S. Army Junior Reserve Officers’ Training Corps (Not offered at North Forsyth or Reagan)

#### Army JROTC I
Study leadership theory and application, foundation for success, communication/study skills, citizenship, military customs and courtesies, physical training, drill, map reading, and the history and objectives of JROTC.

#### Army JROTC II
Study wellness, fitness and first aid, drug awareness, ethical values, oral and written communication, technology application, and citizenship in American history and Government. Demonstrate knowledge of drill, map reading, and physical training, with emphasis on methods of instruction and leadership. Prerequisite: JROTC I.

#### Army JROTC III
Study leadership strategies, managing conflict, career planning, financial planning, citizenship in American history and government with continued practical work in leadership, drill, technology awareness, methods of instruction, map reading and physical training. Prerequisite: JROTC II.

#### Army JROTC IV
Demonstrate leadership potential as a role model, coach, counselor, management skills and assistant instructor. Study service to the nation and financial planning, with continued practical work in drill, technology awareness, physical training and command and staff principles. Prerequisite: JROTC III.

#### Army JROTC V
Assist instructor in the LET level class assigned. Assist instructor in drill, physical training and inspections with a requirement to teach a minimum of one class for each subject taught for the LET level class assigned, with emphasis placed on proper teaching methods and preparation of lesson plans. Normally assumes the leadership positions and the responsibilities of command functions with continued practical work in drill, technology awareness, and physical training. Prerequisite: JROTC IV.

### U.S. Air Force Junior Reserve Officers’ Training Corps (Offered at North Forsyth and Reagan)

#### Aerospace Science I
Study the historical development of flight and the role of military aviation in history. Study military heritage, organization, traditions, self-control, citizenship, wellness, health fitness, drill and proper wear of the Air Force uniform. Haircuts for males and proper hair styles for female Cadets are mandatory as is the proper wear of the Air Force uniform one day per week (Wednesdays or designated days/nights).
Aerospace Science II
Study the principles of aircraft flight, aerodynamics, aviation weather, navigation and the effects of flight on the human body. Study leadership concepts, individual and group behaviors, communication skills, drill and proper wear and respect for the Air Force uniform. Same information applies for hair and uniform wear. Prerequisite: Aerospace Science I and/or Senior Aerospace Science Instructor (SASI) approval. Can be used as elective science credit for graduation.

Aerospace Science III
Study astronomy and the universe, air navigation and its application to space. Prepare classroom presentations and write papers on various aspects of the Air Force and/or space. Study management leadership concepts and ethics for the Cadet Corps and life. Continue study of self-discipline. Students are expected to understand concepts, principles, strategies and tactics that apply to the learning and performance of movement. They will evaluate personal health-related physical fitness statuses and create plans for maintaining lifelong health enhancing behaviors. Strategies for developing behaviors that are responsible and enhance respect of self and others and that value physical activity will be included in this course. Required for graduation.

Physical Education

Physical Education I Semester
Demonstrate competency and proficiency in at least three of the following activities: team sports, individual sports, dual sports, dance, gymnastics, aquatics, and community. Prerequisite: Physical Education I and II. SASI approval.

Physical Education II Semester
Demonstrate understanding of movement concepts, principles, strategies and tactics as they apply to the learning and performance of physical activities in individual and team sports. Demonstrate the knowledge of judging, officiating and refereeing in various activities. Demonstrate offensive and defensive strategies. Selected students who successfully complete JROTC may receive credit for PE II with the approval of their guidance department.

PE II Team Sports Semester
Heavy emphasis on team sports; students will further develop motor skills and movement practices needed to perform a variety of team sports/activities. Focus is on developing appreciation for physical activity beyond high school. Students will demonstrate knowledge of judging, officiating and refereeing, as well as learn to develop offensive and defensive strategies.

PE II Weight Training Semester
Students will focus on strength training and personal fitness plans that emphasize sport-related fitness or health-related fitness. Focus is on developing skills and appreciation for physical activity beyond high school.

Physical Education III
Exhibit a physically active lifestyle by participation in selected physical activities that can be accessed in the community for a lifetime of sports involvement. Prerequisite: Physical Education I and II.

PE III Team Sports
Heavy emphasis on team sports; students will further develop motor skills and movement patterns needed to perform a variety of team sports/activities. Focus is on developing an appreciation for physical activity beyond high school. Students will demonstrate knowledge of judging, officiating and refereeing. PE III requires advanced work in skill development, analysis and training.

PE III Weight Training
Students will focus on strength training and personal fitness plans that emphasize sport-related fitness or health-related fitness. Focus is on developing skills and appreciation for physical activity beyond high school. Students will demonstrate knowledge of judging, officiating and refereeing, as well as develop offensive and defensive strategy. Lifetime wellness will also be highlighted in this course with emphasis on developing personal fitness/wellness plans and opportunities for group exercise.

Physical Education IV
Investigate various fitness/wellness programs available and develop an appropriate individualized program and be familiar with factors that benefit athletic performance. Recognize current best practices related to fitness and nutrition.

Dance IB Semester
Explore and develop techniques appropriate for the advanced student. Discover new forms of expression through choreography. Prerequisite: Dance IA or audition.

Science

Biological Science

Applied Biology
Review the study of life science through exploration of vertical learning progressions. This bridge course is designed to strengthen the readiness skills and scientific dispositions for successful completion of Biology. Laboratory experiences and explorations focus on daily application of foundational knowledge of life sciences. This course is intended for students scoring achievement Level I or Level II on the North Carolina End of Grade 8 Science test. Course does not count as a science credit for the Future Ready Core Course of Study.

Biology
Study the nature of life and living organisms including structure and functions of living organisms, ecosystems, evolution, genetics and molecular biology. Laboratory-based experiences and exploration of current biological advances extend foundational knowledge of life sciences.

Biology Honors
Study the nature of life and living organisms including structures and functions of living organisms, ecosystems, evolution, genetics, and molecular biology. As a bridge AP course, laboratory-based experiences extend into topics covered in AP Biology and require students to explore applications and extensions of biology through investigations that provide opportunities to apply the science practices. Seminar course requires additional analysis of case studies as relating to course topics and published research studies. Seminar and Honors courses require individual research projects.

Biology Seminar
As a bridge AP course, laboratory-based experiences require students to apply science practices to biology-based investigations. Extensive research is required. Seminar course requires additional analysis of case studies relating to course topics.

IB: MYP Biology
Study the nature of life and living organisms including structures and functions of living organisms, ecosystems, evolution, genetics, and molecular biology and apply understanding to solve problems and express scientifically supported judgments. Laboratory-based experiences and exploration of current biological advances extend knowledge of biology. The course addresses the required state curriculum as well as that of the International Baccalaureate Middle Years Programme through global contexts, interdisciplinary units, student collaboration and Socratic seminars.

AP Biology Career Center: West Forsyth High
Study the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Laboratory-based course delivery provides extensive exploration of molecules, cells, heredity, evolution, organisms, and populations. Prerequisites: Biology and
Sample sequences does not include all possible course sequences for high school science.

Chemistry.

IB Biology I Parkland
Study biological structures and functions within a global context. Experiments and investigations increase awareness of how biologists work and communicate with each other. Core elements of IB Biology include extended essay, theory of knowledge, action, service. Students may sit for the IB Biology SL (Standard Level) assessment upon completion. Prerequisite: Biology.

IB Biology II Parkland
Continuation of IB Biology I. Senior-year course; upon completion, students may sit for the IB HL Biology assessment. Prerequisite: IB Biology I.

Human Anatomy & Physiology (Regular Honors)
Study the mechanical, physical, bioelectrical, and biochemical functions of humans including organs and the cells of which they are composed. Laboratory-based explorations include gross and microscopic anatomies; extend foundational understanding of the human body. Honors course requires individual research projects. Prerequisite: Biology.

Zoology
Study the origin of animal life: animal development and reproduction; classifications of the major animal phyla; and the basics of ecological niche. Laboratory-based experiences provide a survey of invertebrates and invertebrates as well as animal taxonomy. Dissections are required. Senior-year course. Course fees may be assessed for dissection resources. Prerequisite: Biology.

Earth and Environmental Science
Earth/Environmental Science (Regular Honors)
Study the function of Earth’s systems including the lithosphere, hydrosphere, atmosphere, and biosphere. Laboratory-based experiences and investigations extend foundational understanding of human influence on Earth’s systems to include sustainability practices, technology, and alternative energies. As a bridge AP course, honors level students engage in laboratory-based experiences that require them to apply science practices to earth science-based investigations.

Exploration of Alternative Energies Career Center
Study viable energy sources intended to replace nonrenewable energy resources to decrease negative environmental consequences of energy consumption. Alternative energies explored during laboratory experiences and investigations include solar photovoltaics, solar hot water, wind power, microhydro, and biodiesel. Prerequisite: Earth/Environmental Science.

Global Science Issues
Study political, social, and economic values closely related to the health of the environment. Laboratory and investigations explore topics to include agricultural practices, use of natural resources, by-products of industrial development, and environmental stewardship. Senior-year course. Prerequisite: Earth/Environmental Science.

AP Environmental Science
Study principles, concepts, methodologies and interrelationships of the natural world and how humans alter natural systems. Laboratory-based course delivery provides extensive exploration of Earth systems, land and water use, energy resources, global change and associated biotic elements. Prerequisites: Biology and Chemistry or Physics. Satisfies Earth/Environmental graduation requirement for Future Ready Core.

IB Earth/Environmental Science
Study environmental systems and societies within a global context. Experiments and investigations increase awareness of international collaboration in resolving environmental problems. Core elements of IB Environmental Systems and Studies include extended essay, theory of knowledge and creativity, action service. Two-year course; students may sit for the IB environmental Systems and Societies SL (Standard Level) assessment upon completion. Satisfies Earth/Environmental graduation requirement for Future Ready Core.

IB MYP Chemistry
Students develop scientific knowledge of the structure of matter along with chemical reactions and the conservation of energy in these reactions and apply it to solve problems and express scientifically supported judgments. Laboratory-based investigations explore energy conservation and transfer in addition to the interactions of matter and energy while using the language of mathematics to describe observations. The course addresses the required state curriculum and the IB MYP through global contexts, interdisciplinary units, student collaboration and Socratic Seminars. Prerequisite: Biology.

IB Physics (Regular Honors)
Study the natural phenomena of matter and its motion through space and time. Laboratory-based experiences and investigations explore forces and motion, energy conservation and transfer in to the interactions of energy and matter while using the language of mathematics to describe observations. Honors course requires individual research projects. Prerequisites: Algebra II, Integrated Math III or Math III.

Aerospace Science I North Forsyth and Reagan
Study the historical development of flight and the role of military aviation in history. Study military heritage, organization, traditions, self-control, citizenship, wellness, health fitness, drill and proper wear of the Air Force uniform. Haircuts for males and proper hair styles for female Cadets are mandatory as is the proper wear of the Air Force uniform one day per week (Wednesdays or designated days/nights). Can be used as an elective science credit for graduation.

Physical Science
Study the physical nature of the world through qualitative and quantitative methodologies. Laboratory-based experiences make use of mathematical reasoning in exploring aspects of both chemistry and physics. Topics include forces and motion, properties and changes of matter and, conservation and transfer of energy to extend foundational knowledge. Prerequisites: NC Math I.

Chemistry (Regular Honors)
Study the structure of matter along with chemical reactions and the conservation of energy in these reactions. Laboratory-based experiences and investigations explore energy conservation and transfer in addition to the interactions of matter and energy while using the language of mathematics to describe observations. As a bridge AP course, laboratory-based experiences require students to apply science practices to chemistry-based investigations. Prerequisites: Biology AND NC Math 3 or currently enrolled in NC Math 3.

IB Physics First
Study the nature of matter and motion. This is introductory physics course bridges concepts from physical science at the middle school level to high school level physical science concepts. Laboratory-based course delivery deepen understanding of motion, Newtonian mechanics, energy, waves, and electricity while strengthening math skills in preparation for Physics. Freshman-year course.Requires individual research project.
Social Studies Flow Chart

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<td>Am. Hist.: Prin., C&amp;E</td>
<td>American History I</td>
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<tr>
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<td>Honors Seminar II</td>
<td>AP U.S. History</td>
<td>Social Studies Elective</td>
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<tr>
<td>AP World History</td>
<td>Honors Seminar II</td>
<td>AP U.S. History</td>
<td>Social Studies Elective</td>
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Aerospace Science II North Forsyth and Reagan
Study principles of aircraft flight, propulsion systems and the human body’s reaction to flight and space travel. Take a flight in a small aircraft, and use a cockpit simulator. Study Air Force customs, drill, and uniform. Can be used as an elective science credit for graduation. Must adhere to the U.S. Air Force Junior Reserve Officers’ Training Corps program.

AP Chemistry Career Center
Study the structure of matter, kinetic theory of gases, chemical equilibrium, chemical kinetics and the basic concepts of thermodynamics. Laboratory-based course provides extensive exploration of structure and stages of matter, chemical reactions, and descriptive chemistry require qualitative and quantitative analysis using the language of mathematics to describe observations. Prerequisites: Chemistry and Algebra II, Integrated Math III or Math III.

AP Physics I Career Center
Study and explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Prerequisites: Students should have completed Geometry or Math II and be concurrently taking Algebra II, Math III or an equivalent course.

AP Physics II Career Center
Study and explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Pre-requisites: Students should have had AP Physics I or (Honors) Physics. Students should have taken or be concurrently taking pre-calculus or an equivalent course.

AP Physics C Electricity and Magnetism Career Center
Study core principles, theories and processes of physics to include: electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Laboratory-based course delivery develops the reasoning skills necessary to engage in the science practices and use differential and integral calculus to problem solve while fostering a deeper level of learning. This course is a calculus-based introductory college-level physics course appropriate for students planning to specialize or major in physical science or engineering. Prerequisites: Calculus or concurrently taking Calculus.

AP Physics C Mechanics Career Center
Study core principles, theories and processes of physics to include: kinematics; Newton’s laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Laboratory-based course delivery develops the reasoning skills necessary to engage in the science practices and use differential and integral calculus to problem solve while fostering a deeper level of learning. This course is a calculus-based college-level physics course appropriate for students planning to specialize or major in physical science or engineering. Prerequisites: Calculus or concurrently taking Calculus.

American History I: The Founding Principles, Civics and Economics
Study the basic tenets of American democracy, practices of American government as established by the U.S. Constitution, basic concepts of American politics and citizenship, concepts in macro and micro economics, and concepts in personal finance. The course prepares students to become responsible and effective citizens in an interdependent world. This course serves as a foundation for American History and is required for graduation. Additional research, reading and writing assignments required for honors level.

Honors Seminar II

IB MYP Civics and Economics
Students consider local and global contexts of economics, finance, business, management and administration, education, government and public administration, law and public safety, human services, marketing, international development, cultural and political affairs, urban and regional planning, sustainability, conservations and environmental management as related to the tenets of American democracy established by the U.S. Constitution, the American political system and citizenship, the concepts of macro- and microeconomics and concepts in personal finance. The course serves as the required credit for graduation. The course addresses the required state curriculum and the IB MYP through global contexts, interdisciplinary units, student collaboration and Socratic Seminars. Prerequisite: World History.

American History I
The course covers the European exploration of the new world through Reconstruction. Examines the historical and intellectual origins of the United States from European exploration and colonial settlement to the Revolutionary and Constitutional eras. Students 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. 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.

IB MYP World History
Students examine the six periods of world history with a focus on the 15th century to present day. Students study major turning points in history through inquiry-based lessons. Students develop relevant understandings of current world issues and the interconnected nature of all things in history. The course serves as the required credit for graduation and incorporates extensive research, writing, presentation and seminar assignments. The course addresses the required state curriculum and the IB MYP through global contexts, interdisciplinary units, student collaboration and Socratic Seminars.
emphasizes the expanding global political role of the federal government and federal courts as well as the continuing tension between the individual and the state. Students develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events on the United States in an interconnected world.

**Bible History A and B Semester**
Study the literary forms of the Bible and Biblical leaders. Examine the influence of the Bible on history, law, American life and culture. Learn about the history, geography, religion and politics of the Middle East. Students may take one or both of these courses, in any order. Completion of World History is recommended before enrolling in this course. Does not meet the graduation requirement for World History. These courses are paired together for scheduling purposes.

**World Geography Semester**
Examine the relationship between geography and the economic, political, social, historical and cultural aspects of human activity. Additional research, reading and writing assignments required for honors level. This course does not meet the graduation requirement for World History. It will be paired with International Relations for scheduling purposes.

**International Relations Semester**
Examine factors that influence relations between nations and their political and economic alignments. Study current international issues. Additional research, reading and writing assignments required for honors level. Completion of World History and U.S. History is recommended before enrolling in this course. This course does not meet the graduation requirement for World History. It will be paired with World Geography for scheduling purposes.

**Psychology**
Scientific study of human growth, development and behavior, the effects of emotion on behavior, and how humans adapt and interact in a variety of environments. Additional research, reading and writing assignments required for honors level.

**Western Humanities**
Develop understanding of literature, painting, music, drama, architecture, history and philosophy in Western culture. Study development from ancient times to the present age. Additional research, reading and writing assignments required for honors level, including an extensive research paper.

**World Humanities**
Study the ways in which people from every period of history process and document the human experience. Students will use a contemporary global lens to examine the philosophy, literature, religion, art, music and language of Europe and the non-Western cultures from Asia, Africa, and the Middle East from the 16th century to the modern era. Through the seminar experience, students should recognize enduring human problems while learning content and skills necessary for engaged global citizenship.

**African-American Studies Semester**
Discover how African-Americans have always been an integral part of the American experience. African-Americans also have been a viable force with their own experiences, culture and aspirations. Additional research, reading and writing assignments required for honors level.

**Latino-American Studies Semester**
Study the diverse history and culture of Latin America and Latino Americans, from life before Columbus to contemporary life in the United States and North Carolina. Focus on immersion in the Western Hemisphere’s oldest civilizations and Latino Americans in North Carolina. Additional research, reading and writing assignments required for honors level. This course would complement enrollment in any Spanish course.

**Sociology Semester**
Designed to give students the tools necessary to concentrate on the systematic study of society and human interaction. Using observation, the scientific method and cross-cultural examination, students will discover how patterns of behavior develop, culture is learned, and social predictions are made. Additional research, reading and writing assignments required for honors level.

**20th Century Civil Liberties and Civil Rights**
Examine the history, struggles, successes and similarities of diverse groups of twentieth-century Americans who protested on behalf of civil liberties and civil rights. The study will include the twentieth century social movements for greater freedom and equality led by and for various groups of Americans. Because of past and current global calls for universal human rights based on Jefferson’s ideals, this course should promote the interconnected civil liberties and civil rights narrative of a people, a nation, and a world.

**AP Government and Politics: United States Semester, Career Center**
Study American governmental institutions, beliefs and practices, political parties and ideologies. Analyze and compare different American political systems. Study, discuss and debate contemporary politics. (Paired with AP Government and Politics: Comparative for scheduling.)

**AP Government and Politics: Comparative Semester, Career Center**
Study concepts that political scientists use to examine the processes and outcomes of politics in a variety of national settings. Students will understand the rich diversity of political life, government processes and policy outcomes, and the importance of global political and economic changes. Identifying problems and analyzing policy-making are essential skills in comparing countries and their government systems (six nations form the core of the study: China, Great Britain, Mexico, Nigeria, and Russia). (Paired with AP Government and Politics: United States for scheduling.)

**AP United States History**
Develop the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United States history. Students should learn to assess historical materials—their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format. Meets graduation requirements for U.S. History.

**AP European History Career Center**
Study Europe from the late Medieval Period (c. 1450) to the present, including social, political, diplomatic, economic, cultural and intellectual themes in European history. Students will develop analytical thinking and writing skills as they deal with historical evidence and interpretation.

**AP World History**
Use relevant factual knowledge taken from primary and secondary sources with high-order thinking skills to acquire a greater understanding of the development of global processes, from ancient times to the present day. The course emphasizes the character of change and continuity in world structures and their impacts. Furthermore, this study will evaluate the interchanges of major societies in the global community and the results of that interplay.

**AP Human Geography**
Study patterns and processes that have shaped their science and practice.

**AP Microeconomics Semester, Career Center**
Study principles of economics that apply to the functions of individual decision makers (consumers and producers) within the larger economic system. Focus on the nature and functions of product markets, factor markets, and the role of government in promoting efficiency and equity in the economy. Paired with AP Macroeconomics for scheduling.

**AP Macroeconomics Semester, Career Center**
Study principles of economics that apply to the economic system as a whole. Focus on national income and price determination, economic performance measures, economic growth and international economics. Paired with AP Microeconomics for scheduling.

**IB Psychology I**
Cover three psychological perspectives, research methodology and simple experimental study. First year of two-year course; upon completion, students may sit for the IB SL Psychology exam.

**IB Psychology II**
Examine four psychological perspectives, research methodology and an in-depth experimental study. Senior-year course; students may sit for the IB HL Psychology assessment upon completion. Prerequisite: IB Psychology I. Meets graduation requirement for American History.

**IB History of the Americas I**
Study the social, political and economic histories of the United States. Examine parallel events, movements and ideologies in Canada and Latin America. Junior-year course. Prerequisite: IB Psychology I. Meets graduation requirement for American History.

**IB History of the Americas II**
Focus on 20th century world history, including the causes and effects of wars, the Cold War and the rise and rule of single-party nation states. Senior-year course. Prerequisite: IB History of the Americas I.

**IB Theory of Knowledge**
Reflect critically the knowledge and experience inside and outside the classroom. Question core of knowledge and explore the deviation between various ways of knowing.

**IB Philosophy**
Philosophy deals with issues that are profound, complex, challenging and important for humanity. The Diploma Programme philosophy course aims to be inclusive and to deal with a wide range of issues that can be approached in a philosophical way.
IB Information Technology in a Global Society I
Study and evaluate the impact of information technology on individuals and society. Explore the use of digitized information at the local and global level. Junior- or senior-year course; upon completion, students may sit for the IB SL ITGS assessment.

Special Offerings

Driver Education
Driver Education is offered after school hours. Students do not receive course credit. Students who are 14 1/2 and older may apply; the oldest students are accepted first. The course includes 30 hours of classroom and 6 hours of in-car instruction. Registration is done online at ncdrivingschool.com. There is a $45 fee for the class.

ACT/SAT Preparation
Review strategies to strengthen ACT and SAT performance in English, reading, math and science. Learn and enhance reading comprehension strategies and mathematical principles and practices.

Service to School and Community
Use your skills to help others. Special requirements and opportunities may exist at your school. Ask your counselor for information. For juniors and seniors.

Study Skills I, II, III and IV
Learn alternative strategies for gathering, recording, synthesizing, organizing and remembering information in individualized and small group instruction. Classroom content is often used as the basis for instruction. For students with exceptional child certification.

Teacher Cadet I and II
Investigate education as a possible career. Observe classroom instruction and experience a teacher’s role. Shadow members of the school staff to learn about the total operation of a school. For academically able students who possess exemplary interpersonal and leadership skills.

Credit by Demonstrated Mastery
Credit by Demonstrated Mastery (CDM) is the state Board of Education approved process by which a student may earn credit for a high school course by demonstrating a deep understanding of the content, without course enrollment or seat time. CDM consists of a multi-phase assessment:

Phase 1: Student examination demonstrating foundational knowledge, using an EOC, CTE or other LEA exam. Students must score at the 94% on exam to successfully complete this phase.

Phase 2: Student artifact demonstrating application of knowledge; artifacts may include research, papers, and presentations.

Please see your counselor for more information and application. The deadline to apply for Credit by Demonstrated Mastery for the 2017-18 school year is March 10.