Upper School CURRICULUM MAP

9TH GRADE

**English**
- Introduces students to the study of language and its role in society. The history of the English language is explored in order to help students develop reading proficiency. The sequence of courses is determined by the students' prior experience and abilities.
- Latin
  - Latin aims to develop students' ability to read Latin for pleasure and to assimilate the rich and varied traditions of the Latin-speaking world. Students are encouraged to maintain reading proficiency and continue to develop their understanding of the language through the use of a variety of materials.

9TH – 12TH GRADES

**History and Social Studies**
- American History
  - By the end of the course, students will be able to analyze the causes and consequences of significant events in American history and assess the roles of individuals and groups in shaping the course of American society.
  - Global History
  - Students will be able to analyze the causes and consequences of significant events in world history and assess the roles of individuals and groups in shaping the course of world society.

9TH - 12TH GRADES

**Science**
- Biology
  - Students will be able to: explain the structure and function of cells; the processes of photosynthesis and cellular respiration; and the principles of inheritance and evolution.
- Chemistry
  - Students will be able to: explain the structure and behavior of atoms; the laws of conservation; and the principles of stoichiometry.

9TH - 12TH GRADES

**Mathematics**
- Algebra I
  - Students will be able to: solve linear equations and inequalities; graph linear equations; and perform operations with polynomials.
- Geometry
  - Students will be able to: understand the properties of two-dimensional and three-dimensional figures; and apply the concepts of similarity and congruence.

9TH – 12TH GRADES

**Computer Science**
- Computer Science Principles
  - Students will be able to: understand the foundational principles of computer science, focusing on how computers and programming languages can be used as tools for problem-solving, creation and innovation. Later semester electives introduce students to theoretical and practical applications of these concepts.
- Computer Science II: Java
  - Students will be able to: understand the principles of object-oriented programming and apply them to the development of complex programs.

9TH – 12TH GRADES

**Arts**
- Music
  - Students will be able to: understand the history and development of music, and apply this knowledge to the creation and appreciation of music.
- Dance
  - Students will be able to: understand the history and development of dance, and apply this knowledge to the creation and appreciation of dance.

9TH – 12TH GRADES

**Visual Arts**
- Art
  - Students will be able to: understand the history and development of art, and apply this knowledge to the creation and appreciation of art.

9TH – 12TH GRADES

**Physical Education**
- Athletics
  - Students will be able to: understand the history and development of physical education, and apply this knowledge to the creation and appreciation of physical education.

9TH – 12TH GRADES

**Global Studies**
- Global Studies
  - Students will be able to: understand the history and development of global studies, and apply this knowledge to the creation and appreciation of global studies.