

LINCOLN ACADEMY

7th Grade Course Descriptions

Abbreviations following credit hours indicate High School Graduation Requirement categories.

REQUIRED COURSES

ENGLISH

English 7:

1 credit (E)

This course develops language skills in 4 areas: reading, writing, speaking, and presentation skills. Students will read both fiction and non-fiction and write in a variety of genres. *Students will be expected to purchase their own copy of the novels that will be studied in this class. More information will follow.*

MATH

Applied Math:

1 credit (EL)

Prerequisite: Teacher Signature Required

This course builds on arithmetic calculation, measurements, basic geometry and other foundational concepts and skills. It also includes extensive pre-algebra exercises, preparing the student for upper-level mathematics.

Pre-Algebra:

1 credit (EL)

Prerequisite: Teacher Signature Required

With Algebra $\frac{1}{2}$, students can deepen their understanding of pre-algebraic topics. Algebra $\frac{1}{2}$ includes instruction and enrichment on such topics as compressions, approximating roots, polynomials, advanced graphing, basic trigonometry, and more. *This class does not give CORE math credit for 9th graders.*

Algebra 1:

1 credit (EM)

Prerequisite: Teacher Signature Required

This course extends students' problem-solving strategies and their abilities to model problems algebraically, numerically, and graphically. Students study the properties of the real number system and use these properties to solve linear equations and inequalities. Students also learn many fundamental principles of geometric figures. Students gain facility with manipulating algebraic expression and equations. As a result of this facility they gain a better conceptual understanding of algebra as a means of representation and as a problem-solving tool.

Geometry:

1 credit (EM/AM)

Prerequisite: Teacher Signature Required

Students completing the Saxon Algebra II text will have studied the equivalent of one year of Geometry. Ample time is spent developing geometric concepts.

Algebra II:

1 credit (EM/AM)

Prerequisite: Teacher Signature Required

Algebra 2 covers all topics that are traditionally covered in second-year algebra as well as a considerable amount of geometry.

Advanced Mathematics:

1 credit (EM/AM) Pre-Calculus

Prerequisite: Teacher Signature Required

Advanced Mathematics fully integrates topics from algebra, geometry, trigonometry, discrete mathematics, and mathematical analysis. Word problems are developed throughout the problem sets and become progressively more elaborate. With regular practice, students will be able to solve challenging problems such as rate problems and problems involving abstract quantities. Conceptually oriented problems help prepare students for college entrance exams (ACT and SAT).

SCIENCE

Integrated Science 7:

1 credit

This course focuses on the theme of "structure". Topics from physical, earth and life science are integrated to illustrate the nature of "structure" as a property that is common to all sciences. Students observe that all substances are made of smaller parts and are themselves parts of larger wholes, and that when parts come together the whole often has properties that are very different from its parts. Hands-on inquiry-based instruction is used to help students value science as a process for obtaining knowledge based on observable evidence.

SOCIAL STUDIES

Utah Studies:

.5 credit

Students will be introduced to the significant events, people, cultures and issues that have influenced Utah from its earliest beginnings through the present day. Three areas of focus will be: events leading up to 1847, early statehood, and events leading up to the present.

PHYSICAL EDUCATION

P.E. Healthy Lifestyles:

.5 credit (PES)

This course emphasizes beginning fitness. An appreciation for activities in relation to physical well-being is stressed. A continual fitness development program with testing is also included in this course.

***P.E. uniform required (cost approximately \$15)*

HEALTH

Health 7:

.5 credit

This course acquaints students with body functions and the problems that might disrupt normal processes. It also helps students develop wise practices and habits that will assure them of sound mental, social, and physical health.

OTHER CLASSES

Career, Technology, and Education (C.T.E)

1 credit (CTE)

This course is designed to help students explore life's work. Core concepts are planned, integrated and taught through interactive, hands-on activities using current technology in a laboratory environment. CTE is a coordinated exploratory course that includes three cluster areas of Technology/Agriculture, Business/Marketing, and Family and Consumer Sciences/Health Science. This course is required for all 7th grade students by the Utah State Board of Education.

Keyboarding 7th

.5 credit

This course is designed to increase student keyboarding skill through drill practice and reinforcement of correct techniques. Students will use word processing software to create, format, and edit personal and business documents.