

COURSE DESCRIPTIONS

Grade 7

English 7 (36 Lessons)

This course is divided into six units, each introduced and guided by award-winning, contemporary authors who present students with literary concepts and discuss different writing processes using their own works as models.

Math 7 (36 Lessons)

This course provides students with a solid preparation for algebra and geometry. Topics include: solving equations and inequalities containing fractions and decimals, ratios, linear functions, graphing, spatial thinking, finding area and volume of geometric figures, and right triangles.

Math 7 - mastery-based (36 Lessons) – enrollment based on recommendation from middle school teachers/counselor

Math 7 mastery-based uses artificial intelligence to build individualized courses for each student based upon his/her current knowledge level. The system “knows,” with respect to each individual topic, whether each individual student has mastered that topic. If not, the student is offered a selection of only the topics he/she is ready to learn at the current time. This builds student confidence and learning momentum. Course topics include: whole numbers; fractions and proportions; decimals and percents; measurement, graphs, and probability; algebra; and geometry.

Science 7 (36 Lessons)

Life Science covers a broad range of subject matter including: scientific method, properties of light, cell structure, function, processes, energy, genetics and heredity, agricultural technology and genetic engineering, evolution and classification of organisms, geology, plate tectonics, seismology and geotechnical engineering, and the structure and function of the human body.

Social Studies 7 (36 Lessons)

Dynamic changes occurred throughout the world from 400 to 1800. The course addresses those changes through study of the geography, culture, economics, governing structures, belief systems and scientific discoveries of the times.