

High School Equivalency Exam Preparation- Mathematics

The High School Equivalency Exam Preparation - Mathematics course focuses on Mathematical reasoning, including precision and fluency in executing and applying core computations, as well as learning to apply quantitative and algebraic reasoning skills within a wide range of academic, real-life, and workplace contexts.

Course topics include:

- Basics of mathematics
- Fractions, decimals, percentages, and probability
- Basics of Geometry, perimeter, area, surface area, and volume
- Pre-Algebra
 - Integers, rational numbers, and properties of Algebra
- Algebra
 - Expressions, order of operations, and sets
 - Absolute value, square roots, squares, and irrationals
 - Equations and their applications
 - Graphing, inequalities, and systems of equations
 - Polynomials and operations with polynomials
 - Rational expressions

High School Equivalency Exam Preparation- Reading / Language Arts

The High School Equivalency Exam Preparation - Reading/Language Arts course focuses on reasoning through language arts via an integrated approach, reading carefully, writing about reading material, and the demonstration of a good command of English language conventions.

Course topics include:

- Reading Comprehension
- Writing Skills – Organization
- Writing Skills – Support
- Identifying Nonfiction
- Grammar Skills
- Personal, Expository, and Persuasive Writing
- Analyzing Persuasive Speech

High School Equivalency Exam Preparation- Science

The High School Equivalency Exam Preparation - Science course emphasizes the ability to apply scientific reasoning skills to three areas: Life Science, Physical Science, and Earth and Space Science, with understanding of scientific content pertaining to the themes of health and the human body, and energy.

Course topics include:

- Properties and types of matter, and changes in matter
- Forms of energy – heat, electricity, and waves
- Forces, motion, work and machines
- Alternative energy sources
- Plate tectonics, earthquakes, mountains, and volcanoes
- Earth in space, comets, asteroids, stars, star systems, and galaxies
- Ecology
- Cell structure, function, and transport
- Cellular energy, cell division, genetics, and evolution

High School Equivalency Exam Preparation- Social Studies

The High School Equivalency Exam Preparation - Social Studies course places emphasis on applying reasoning skills in social studies to content drawn from four areas: Civics and Government, United States History, Economics, and Geography and the World.

Course topics include:

- The foundations of the United States Government
- The Constitution
- Checks and balances
- The Bill of Rights and Amendments
- Political participation and parties
- How elections work, and the influence of mass media
- Historical foundations and nationalism
- Reformation, and the Union in Peril
- The First World War
- World War II
- Post-War America and Civil Rights
- Contemporary Issues: 1945 to the Present
- Basics of Personal Finance
- Basics of Geography