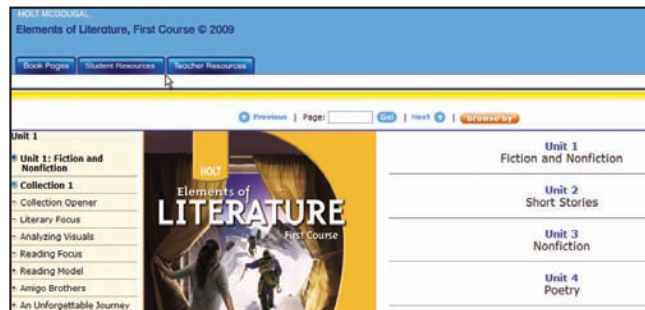


# Grade 7 & 8

## Grade 7 Language Arts

Featuring an interactive textbook, students will engage in interactive tutorials, multimedia presentations, and much more. Grade 7 Language Arts incorporates the following:

- In-depth Grammar Study (units are interspersed throughout the course)
- In-depth Vocabulary Study
- Composition units on personal, narrative, expository and descriptive writing (including the writing process).
- Literature units covering the following literary themes: "What I Am: What I Want to Be," "Winds of Change," "Facing Challenge," and "Where the Heart Is".
- Additionally, this course presents semester closing units, designed to accommodate various reading levels, which feature a comprehensive study of age-appropriate novels.



**Our Language Arts curriculum is designed to accommodate various reading levels and features a comprehensive study of age-appropriate novels.**

## Grade 7 Math

In addition to an interactive virtual Math textbook, this course features a wealth of resources including mega math cartoon games, interactive practice experiences, virtual manipulatives, lesson tutorial videos, worksheets, and much more. Grade 7 Math incorporates the following topics:

- Decimals
- Patterns and Variables
- Number Theories and Fractions
- Adding and Subtracting Fractions
- Multiplying and Dividing Fractions
- Ratios, Proportions and Percents
- Data and Graphs
- Tools of Geometry
- Geometry and Measurement
- All About Integers
- Exploring Probability
- Equations and Inequalities

## Grade 7 Science

Grade 7 Science features several online Science modules, scientific videos and lab manuals combined with fun "hands-on" science experiments and mini-projects to be completed at home. Students can listen to textbook audio, conduct virtual investigations and watch lab videos and virtual concepts. The Grade 7 Science course covers the following topics:

- The Nature of Science and the Scientific Method
- Scientific Inquiry and Research Methods
- Life and its Environment
- Our Impact on the Land, Air and Water
- The Structure of Organisms and Classifying Living Things
- Cell Processes and Reproduction
- Energy Forms and Changes
- Atmosphere, Weather and Climate
- Plant Processes and Responses
- How Ecosystems Change
- Resources and the Environment

## Grade 7 Social Studies

Grade 7 Social Studies covers world history to 1800. This class covers material beginning with the earliest human societies and ending in 1800 A.D. after the American and French Revolutions. This class features a virtual textbook and covers the following topics:

- Human Beginnings
- Early Civilizations
- Kingdoms and Empires in the Middle East
- Greek and Roman Civilizations and the Rise of Christianity
- The Flowering of African Civilizations
- Other Civilizations: China, India, Byzantines and Slavs
- Islamic Civilizations
- The Rise of Medieval Europe
- The Modern World Begins
- Exploration, Revolution and Expanding Horizons



## Grade 8 Language Arts

Featuring an interactive textbook, students will engage in interactive tutorials, multimedia presentations and much more. This course presents semester closing units, designed to accommodate various reading levels that feature a comprehensive study of age-appropriate novels. Grade 8 Language Arts incorporates the following topics:

- In-depth Grammar Study (units are interspersed throughout the course)
- In-depth Vocabulary Study
- Composition units on descriptive, narrative, and expository writing.
- Literature units covering the following literary themes: "Cultural Diversity", "Family Album", "Learning from History", "Power of Love", "Strange & Mysterious", "Surprises", "Voices of Courage", "Humor & Satire", and "Personal Challenges".
- A cumulative, comprehensive "Word Journal" project.

## Grade 8 Math

In addition to an interactive virtual Math textbook, this course features a wealth of resources including mega math cartoon games, interactive practice experiences, virtual manipulatives, lesson tutorial videos, worksheets and much more. Grade 8 Math incorporates the following topics:

- Decimals and Integers
- Equations and Inequalities
- Exponents, Factors and Fractions
- Operations with Fractions
- Ratios, Rates and Proportions
- In-Depth Percents
- Basic Geometry
- Geometry and Measurement
- Patterns and Rules
- Graphing in the Coordinate Plane
- Displaying and Analyzing Data
- Using Probability

## Grade 8 Science

Grade 8 Science features several online Science modules, scientific videos and lab manuals combined with fun "hands-on" science experiments and mini-projects to be completed at home. Students can listen to textbook audio, conduct virtual investigations, and watch lab videos and virtual concepts. The Grade 8 Science course covers the following topics:

- The Nature of Science and Scientific Problem-Solving
- Motion, Momentum and Energy: Force and Newton's Laws
- Earth Forces in Action: Earthquakes, Volcanoes and Plate Tectonics
- Clues to the Earth's Past: Ages of Rocks and Fossils
- Changing Through Time: Evolution Theory
- Plants and Plant Reproduction
- Cell Growth and Reproduction
- Heredity and Genetics
- Exploring Space: Radiation, Waves and Space Missions
- The Sun-Earth-Moon System and the Solar System
- Stars and Galaxies
- Magnetism and Electricity

## Grade 8 Social Studies

Grade 8 Social Studies covers American history to 1877. This course will begin with the discovery of the "New World" to the Reconstruction Period after the end of the American Civil War. Students use an interactive textbook featuring interactive readers and study guides, biographies, audio, maps, videos and much more. This course incorporates the following topics:

- The First Americans
- Exploration and Colonization
- Kingdoms and Empires in the Middle East
- The American Revolution
- Creating a New Government
- Civics in Action
- A New Nation Begins
- The Jefferson and Jackson Eras
- Industrial and Western Expansion
- The Antebellum Period and a Divided Nation
- The Civil War
- The Reconstruction Period and its Aftermath
- An Overview of American History

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