

GED Preparation

Self-Paced, Personalized
Instruction



Brainchild's GED programs provide personalized learning. Each student moves at his or her own pace.

- Play multimedia lesson
- Study with immediate feedback
- Test to track progress

Thousands of Study Buddies are in alternative high schools, youth development centers, and correctional facilities.

- Durable (10 years of service)
- Cost-Effective at \$199.
- Self-Contained (no Wi-Fi)

Mathematics

Language Arts

Science

Social Studies

Brainchild's patented learning process of **PLAY LESSON, STUDY, TEST** helps students help themselves. Students build confidence and self-esteem as they tackle HISET questions and see the step-by-step solutions. Immediate feedback provides personal and gentle self-paced instruction.

"We immediately noticed an increase in GED pass rates with Study Buddies."

-Page Holmes-Ames, Transition Specialist, GED Test Facility

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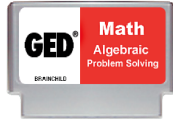
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GED Lessons

Each cartridge contains over 1,000 GED questions and solutions!
Mastery of these lessons is a powerful indicator of GED success.



Algebraic Problem Solving

Expressions & Polynomials

- A1a. Simplify Expressions
- A1b. Evaluate Linear Expressions
- A1d. Add-Subtract Polynomials
- A1e. Factor Polynomials

Equations & Inequalities

- A2a. Solve Equations
- A2c. Write Equations
- A2d. Simultaneous Equations
- A3d. Graph Inequalities
- A4a. Quadratic Equations

Graphs and Functions

- A5a. Coordinate Plane
- A5b. Slopes of Lines
- A5c. Slopes as Rates
- A7b. Functions and Relations
- A7d. Compare Functions

Lines and Equations

- A6a. Point-Slope Equations
- A6b. Equations of Lines
- A6c. Parallel-Perpendicular Slopes

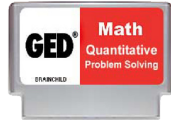
Quantitative Problem Solving

Number Sense Concepts

- Q1a. Order Fractions & Decimals
- Q1b. Multiples & Factors
- Q1c. Laws of Exponents
- Q1d. Absolute Value

Counting & Probability

- Q8a. Combinations
- Q8b. Simple-Compound Probability



Quantitative Problem Solving

Operations

- Q2a. Add-Subtract Decimals
- Q2a. Multiply-Divide Decimals
- Q2a. Add-Subtract Fractions
- Q2a. Multiply-Divide Fractions
- Q2a. Add-Subtract Signed Numbers
- Q2a. Multiple-Divide Signed Numbers
- Q2a. Squares & Square Roots

Ratios, Rates & Percents

- Q3a. Unity Rates
- Q3b. Scale Factors
- Q3c. Ratios & Proportions
- Q3d. Computer Percents

Dimensions of 2D Figures

- Q4a. Triangles & Rectangles
- Q4b. Circle Measurements
- Q4c. Polygon Measurements
- Q4d. Composite Figures
- Q4e. Pythagorean Theorem
- Q5a. Volume-Surface Area
- Q5b. Surface Area

Dimensions of 3D Figures

- Q5a. Rectangular & Right Prisms
- Q5b. Cylinders
- Q5d. Right Pyramids & Cones
- Q5e. Spheres

Data Displays

- Q6a. Bar & Circle Graphs
- Q6b. Box Plots
- Q6c. Scatter Plots

Central Tendency

- Q7a. Mean, Median, Mode
- Q7a. Weighted Average



Science

Life Science

- Plant & Animal Cells
- Plant & Animal Structures
- The Matter Cycle
- Cells, Organs, Systems
- Inherited & Learned Behaviors
- Adaptations
- Biodiversity
- Ecosystems & Food Webs
- Life Cycles-Metamorphosis
- Photosynthesis & Respiration
- Classifications-Dichotomous Keys

Physical Science

- Atomic Theory
- Periodic Table
- Properties of Matter
- Chemical & Physical Changes
- Chemical Reactions
- Energy Forms
- Force & Motion
- Non-contact Forces
- Speed, Velocity, Accelerations
- Electricity & Electromagnetism
- Wave Properties

Earth & Space Science

- Earth's Systems & Spheres
- Earth's Layers
- Tectonic Plates
- Topographic Maps
- The Water Cycle
- The Rock Cycle
- Weather & Climate
- Natural Resources
- Earth in Space
- The Solar System
- Stars & the Universe



Language Arts

Reading

- Reading
- Summarization
- Main Idea-Theme
- Details
- Sequence
- Inferences
- Plot Elements
- Cause and Effect
- Author's Purpose / Point of View
- Validity
- Figurative Language
- Words in Context

Writing Conventions

- Spelling
- Capitalization
- Punctuation-Commas
- Subject-Verb Agreement
- Pronouns-Antecedents
- Misplaced Modifiers
- Fragments & Run-Ons
- Conjunctions
- Possessive Nouns



GED Social Studies



Available on the web and Study Buddy Cartridges

Civics & Government

Articles of Confederations

The "First Constitution" approved by the Second Continental Congress to establish the functions of the national government after independence from Great Britain.

Declaration of Independence

The Preamble, the Statement of Human Rights, Charges Against Human Rights, Charges Against the King and Parliament, and Statement of Separation and Signatures.

U.S. Constitution

Preamble, articles, amendments, and the amendment process. Expressed, implied, and inherent powers. How it addressed deficiencies of the Articles of Confederation.

Branches of Government

Executive, legislative, and judicial branches and examples to illustrate and understand the system of checks and balances.

Bill of Rights

Natural law, motives, review and analyses of the first ten amendments.

Voting Rights and Amendments

The 15th, 19th, 24th and 26th amendments.

Federal & State Powers

Supremacy clause, coin money, regulate commerce, declare war. Exclusive and shared powers of federal and state governments.

Civic & Political Participation

Rights and responsibilities of citizens, running for office and supporting political candidates.

Geography

Places & Regions

5 geographical regions of the world and regions of the U.S., oceans, landforms, time zones and more.

Environment & Society

Industrialized regions, agricultural regions, how natural resources affect local economies & business. Spatial patterns.

World in Spatial Terms

Hemispheres, latitudes and longitude, equator, prime meridian, scale measurements.

Physical Systems

Weather systems, climates, natural events. Maps, charts, tables.

Human Systems

Human settlement patterns, populations, ethnicities & cultures.

American History

Early America: Colonizations

Explorations and colonies established by England, Spain, Portugal, and France. Jamestown, Massachusetts Bay.

The 13 Colonies

Economic, geographic, and religious features of the New England, Middle and Southern colonies.

American Revolution

The Quartering Act, Battles of Lexington and Concord, Boston Tea Party, Boston Massacre, effects of the French & Indian War.

Westward Expansion

Manifest Destiny, Louisiana Purchase, Lewis and Clark, Transcontinental Railroad, Trail of Tears, Treaty of Paris, Mexican-American War.

War of 1812

America vs. Great Britain again. Induction of sailors into British Royal Navy, economic blockades, British support of Indian Tribes.

Jacksonian Era

"Era of Common Man." White male suffrage, Manifest Destiny, Indian Removal Act of 1830.

Civil War

Abolition of slavery, secession of 11 states, the North-South economies, states' rights.

Reconstruction

Readmission to the Union and rebuilding the South after the Civil War. Redress of slavery, political, economic challenges.

Economics

Free Market Economics

Producers and consumers. Pricing, supply and demand, equilibrium, opportunity costs. Competition and monopolies.

Economic Systems

Capitalism, Socialism, and Communism. Alternative ways to use resources to produce and distribute goods & services.

Economic Cycles

Inflation, deflation, recession, depression. Expansion, peak, contraction, trough.

Global Economics

Free trade, economic interdependence, tariffs, barriers to trade, globalization and comparative advantage.