

## HISET Preparation

Self-Paced, Personalized  
Instruction



Brainchild's HISET 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**

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.



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# HISET Lessons

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



## Mathematics

### Numbers & Operations

- Order of operations
- Laws of exponents
- Scientific notation
- Real-world multi-step problems
- Operations with rational numbers
- Compute percents
- Square root expressions

### Measurement & Geometry

- Similarity & congruency
- Polygons & circles
- Angle measure
- Pythagorean Theorem
- Transformations
- Area & volume
- Conversions

### Data Analysis/Probability

- Graphs & charts
- Line of best fit
- Simple and compound probability
- Measures of center
- Statistics

### Algebraic Concepts

- Evaluate expressions
- Solve equations
- Systems of equations
- Linear equations & inequalities
- Quadratic equations
- Functions & relations
- Domain & range
- Ratios & Proportions
- Rate of change (from a graph)



## Language Arts

### Reading Comprehension

- Understand restatements
- Word meanings in context

### Inference & Interpretation

- Make inferences from text
- Infer traits & feelings of characters
- Interpret nonliteral language

### Analysis

- Determine main idea
- Author's purpose
- Fact vs. opinion

### Synthesis & Generalization

- Draw conclusions
- Make predictions
- Compare and contrast

### Writing Conventions

- Recognize verbs, pronouns, modifiers
- Maintain grammatical agreement
- Correct fragments and run-ons
- Capitalization
- Punctuation



## Science

### Life Science

- Ecosystems & food webs
- Life cycles & metamorphosis
- The matter cycle
- Interdependence of organisms
- Living systems' structure & function
- Human body systems

### Physical Science

- Recognize observable properties
- Position & motion of objects
- Principles of heat, light, electricity
- Principles of matter
- Atomic structure
- Chemical reactions

### Earth Science

- Earth's systems & spheres
- Tectonic Plates
- The water cycle
- Weather & climate
- Earth in space
- Solar system
- Stars & the universe

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