



## **FastForward Online Courses**

KET's *FastForward* online preparation system includes pre-assessments that help learners pinpoint areas of weakness and post-assessments that enable them to track their progress and consider their readiness to take the GED®, HiSET®, or TASC test. KET offers four courses: Mathematics, Language Arts, Social Studies, and Science. The mathematics course includes two sections – Reasoning with Numbers, Statistics, and Geometry and Algebraic Reasoning; the language arts course includes three sections – Reading, Language, and Writing.

## **Reading**

*This course covers seven topics and includes 15 lessons covering 53 skills.*

### Reading Pretest

- 1 Analyze Central Ideas and Supporting Details
  - 1.1 Main Ideas and Supporting Details
  - 1.2 Summaries and Inferences
  - 1.3 Conclusions and GeneralizationsAnalyze Central Ideas and Supporting Details Review
- 2 Analyze Development of Ideas
  - 2.1 Relationships of Ideas in Informational Texts
  - 2.2 Relationships in Literary TextAnalyze Development of Ideas Review
- 3 Interpret Words and Phrases
  - 3.1 Word and Phrase Usage
  - 3.2 Word Meaning and ToneInterpret Words and Phrases Review
- 4 Determine Author's Viewpoint
  - 4.1 Author's Purpose
  - 4.2 Author's Point of ViewDetermine Author's Viewpoint Review
- 5 Analyze the Structure of Text
  - 5.1 Transition Words and Phrases
  - 5.2 Text Structure and MeaningAnalyze the Structure of Text Review
- 6 Evaluate Arguments and Reasoning
  - 6.1 Claims and Support
  - 6.2 Reasoning and AssumptionsEvaluate Arguments and Reasoning Review
- 7 Synthesize Multiple Sources
  - 7.1 Information in Related Texts
  - 7.2 Text and Graphic Materials

## Synthesize Multiple Sources Review

### Reading Post-Test

## Language

*This course covers three topics and includes eight lessons covering 31 skills.*

### Language Pretest

- 1 Effective Sentence Structure
  - 1.1 Complete Sentences
  - 1.2 Correct Sentences
  - 1.3 Organized Sentences
  - 1.4 Improved SentencesEffective Sentence Structure Review
- 2 Correct Grammar and Usage
  - 2.1 Nouns, Pronouns, and Agreement
  - 2.2 Verb Forms, Tenses, and AgreementCorrect Grammar and Usage Review
- 3 Correct Spelling, Capitalization, and Punctuation
  - 3.1 Spelling and Capitalization
  - 3.2 PunctuationCorrect Spelling, Capitalization, and Punctuation Review

### Language Posttest

## Writing

*This course covers two topics and includes 11 lessons covering 59 skills.*

### Writing Pretest

- 1 Writing Basics
  - 1.1 Effective Paragraphs
  - 1.2 Writing for a Purpose
  - 1.3 The Writing ProcessWriting Basics Review
- 2 Construct Extended Responses to Text
  - 2.1 Writing to Respond to a Text
  - 2.2 Reading to Analyze Source Material
  - 2.3 Reading to Synthesize from Two Sources
  - 2.4 Argument and Use of Evidence
  - 2.5 Logical Organizational Structure
  - 2.6 Developed and Related Ideas
  - 2.7 Effective Word Choice and Use
  - 2.8 Correct Sentence Structure and FluencyConstruct Extended Responses to Text Review

### Writing Posttest

## LANGUAGE ARTS PRACTICE-TEST I LANGUAGE ARTS PRACTICE-TEST II

## **Mathematics: Reasoning with Numbers, Statistics, and Geometry**

*This course covers four topics and includes 19 lessons covering 92 skills.*

### Reasoning with Numbers, Statistics, and Geometry Pretest

- 1 Number Sense, Operations, and Problem Solving
  - 1.2 Positive and Negative Integers
  - 1.3 Integer Operations
  - 1.4 Properties and Operations
  - 1.5 Decimal Operations
  - 1.6 Fraction Operations
  - 1.7 Exponential ExpressionsNumber Sense, Operations, and Problem Solving Review
- 2 Problem Solving with Ratio, Proportion, and Percent
  - 2.1 Ratio
  - 2.2 Proportions
  - 2.3 PercentsRatio, Proportion, and Percent Review
- 3 Problem Solving with Statistical Measurement
  - 3.1 Data Analysis
  - 3.2 Statistical Data Sets
  - 3.3 Sample Space and Probability ModelsProblem Solving in Statistical Measurement Review
- 4 Problem Solving with Geometric Measurement
  - 4.1 Geometry Basics
  - 4.2 Perimeter and Area of Polygons
  - 4.3 Perimeter and Area of Triangles
  - 4.4 Circles
  - 4.5 Surface Area and Volume of Cubes, Prisms, and Pyramids
  - 4.6 Surface Area and Volume of Cones, Cylinders, and Spheres
  - 4.7 Composite FiguresProblem Solving in Geometric Measurement Review

### Reasoning with Numbers, Statistics, and Geometry Posttest

## **Mathematics: Algebraic Reasoning**

*This course covers seven topics and includes 18 lessons covering 92 skills.*

### Algebraic Reasoning Pretest

- 1 Numbers and Operations
  - 1.1 Use Signed Numbers
  - 1.2 Learn Basic Properties and OperationsNumbers and Operations Review
- 2 Linear Expressions
  - 2.1 Picture and Write Basic Expressions
  - 2.2 Evaluate a Simple Expression
  - 2.3 Simplify and Write ExpressionsLinear Expressions Review
- 3 Linear Equations

- 3.1 Write and Solve Linear Equations with One Variable
- 3.2 Solve Multi-Step Equations
- 3.3 Graph Linear Equations
- 3.4 Use Slope to Write Linear Equations
- Linear Equations Review
- 4 Systems of Equations and Linear Equalities
  - 4.1 Solve and Graph Systems of Equations
  - 4.2 Write and Solve Linear InequalitiesSystems of Equations and Linear Equalities Review
- 5 Patterns and Functions
  - 5.1 Recognize and Follow Patterns
  - 5.2 Compare Functions in Different PresentationsPatterns and Functions Review
- 6 Polynomials and Rational Expressions
  - 6.1 Perform Operations with Polynomials
  - 6.2 Evaluate Polynomial Expressions
  - 6.3 Simplify, Evaluate, and Write Rational ExpressionsPolynomial and Rational Expressions Review
- 7 Quadratic Equations
  - 7.1 Recognize, Write, and Substitute with Quadratic Equations
  - 7.2 Evaluate Quadratic EquationsQuadratic Equations Review

Algebraic Reasoning Posttest

## **MATHEMATICS PRACTICE-TEST I**

## **MATHEMATICS PRACTICE-TEST II**

## **Science**

*This course covers five topics and includes 13 lessons covering 53 skills.*

Science Pretest

- 1 Life Science
  - 1.1 Human Body and Health
  - 1.2 Life Functions and Ecosystems
  - 1.3 Heredity and EvolutionLife Science Review
- 2 Physical Science
  - 2.1 Energy Topics
  - 2.2 Work, Motion, and Forces
  - 2.3 Chemical Properties and ReactionsPhysical Science Review
- 3 Earth and Space Science
  - 3.1 Earth and the Universe
  - 3.2 The Changing Earth
  - 3.3 Interactions Between Earth and Living Things

## Earth and Space Science Review

- 4 Science Practices
  - 4.1 Comprehend, Interpret, and Evaluate Scientific Presentations
  - 4.2 Understand and Apply the Scientific Method
  - 4.3 Understand Statistics and ProbabilityScience Practices Review
- 5 GED® Test
  - 5.1 Construct a Short Answer

## Science Posttest

## SCIENCE PRACTICE TEST

### Social Studies

*This course covers four topics and includes 12 lessons covering 66 skills.*

#### Social Studies Pretest

- 1 United States History
  - 1.1 Revolution through Civil War and Reconstruction
  - 1.2 Immigration, Industrialization, and Rights
  - 1.3 World Wars, Cold War, and the Aftermath of 9/11United States History Review
- 2 Civics and Government
  - 2.1 American Constitutional Democracy
  - 2.2 Structure and Design of a U.S. Government
  - 2.3 Individual Rights and Civic ResponsibilitiesCivics and Government Review
- 3 Economics
  - 3.1 Fundamental Economics Concepts
  - 3.2 Government and Personal Economics
  - 3.3 World Events and EconomicsEconomics Review
- 4 Geography and the World
  - 4.1 Civilization and Nations
  - 4.2 Society and the Environment
  - 4.3 People and PlacesGeography and the World Review

#### Social Studies Posttest

## SOCIAL STUDIES PRACTICE TEST