

## Student Review Modules for STAAR Success



Available for:

### Social Studies

- 8th Grade
- US High School

### Science

- 5th Grade
- 8th Grade
- Biology

### Math

- 8th Grade
- Algebra I

### RLA/ELA

- 8th Grade
- English I & II

### Overview:

Provide learner-centered review to increase comprehension and improve retention with aligned modules for student use! Differentiate student reviews with a variety of modules to emphasize highly tested content and concepts and to target problematic standards. Student modules can be done in a remote, hybrid or traditional classroom setting. Students work at their own pace, completing tasks that allow teachers to diagnose gaps in knowledge!

#### Modules:

- Asynchronous student videos
- Embedded student activities
- Multiple modules per content
- Site license

### Features:

- Tackle and address problematic standards
- Provide engaging, student-centered aligned review
- Addresses gaps in knowledge and skills

## **Student Review Modules for STAAR Success**

### **5<sup>th</sup> Grade Science**

#### **Matter & Energy**

- Classifying Matter - 5.5A, 3.5C
- Mixtures & Solutions - 5.5BC

#### **Force, Motion & Energy**

- Uses of Energy - 5.6A
- Flow of Electricity, Circuits - 5.6B
- Behavior of Light - 5.6C
- Force, Push & Pull - 3.6B

#### **Module Format:**

- Reteach
- Review/Apply
- STAAR Practice/Strategies

#### **Earth & Space**

- Sedimentary Rock Formation - 5.7A
- Changing Earth - Landforms - 5.7B - 3.7B
- Weather v. Climate - 5.8A, 4.8A
- Water Cycle - 5.8B, 4.8B
- Day/Night Cycle & Patterns - 5.8C, 4.8C
- Sun, Earth & Moon - 5.8D, 3.8D
- Properties of Soil - 4.7A
- Earth's Resources - 4.7C

#### **Organisms & Environments**

- Organism Interactions - 5.9AC, 3.9A
- Food Webs - 5.9BC
- Evidence of the Past - 5.9D
- Traits & Behaviors - 5.10AB
- Life Cycles - 3.10B

## **Student Review Modules for STAAR Success**

### **8<sup>th</sup> Grade Science**

#### **Properties of Atoms**

- Atomic Structure
- Valance Electrons

#### **Properties of Atoms**

- The periodic table

#### **Chemical Formulas, Equations & Reactions**

- Chemical Formulas
- Physical & Chemical changes
- Chemical Reactions

#### **Force, Motion & Energy**

- Calculating Unbalanced Forces
- Speed, Velocity & Acceleration

#### **Force, Motion & Energy**

- Newton's laws

#### **Sun, Earth & Moon**

- Seasons
- Day & Night

#### **Sun, Earth & Moon**

- Ocean Tides

#### **Sun, Earth & Moon**

- Lunar Cycle

#### **Characteristics of the Universe**

- Components of the Universe
- Hertzsprung-Russell Diagram

#### **Impact of Natural Events**

- Plate Tectonics
- Topographic Maps

#### **Climatic Interactions**

- Weather Maps
- Hurricanes & Tornados

#### **Interdependence of Living Things**

- Interdependence
- Competition for Biotic & Abiotic

#### **Interdependence of Living Things**

- Flow of Energy

#### **Interdependence of Living Things- Structure & Function**

- Cell Theory
- Plant & Animal Cells & Organelles

#### **Interdependence of Living Things- Structure & Function**

- Human Systems

#### **Module Format:**

- Reteach
- Review/Apply
- STAAR Practice/Strategies

## **Student Review Modules for STAAR Success**

### **Biology**

#### **Cell Structure & Function**

- Homeostasis & Transport

#### **Cell Structure and Function**

- Prokaryote v. Eukaryote
- Cell Organelles

#### **Cell Structure and Function**

- Viruses and Viral Reproduction

#### **Mechanisms of Genetics**

- DNA & DNA Replication
- Mutations

#### **Mechanisms of Genetics**

- Cell Cycle

#### **Mechanisms of Genetics**

- Protein Synthesis

#### **Mechanisms of Genetics**

- Mendel & Basic Genetics
- Genetic Problems

#### **Biological Evolution & Classification**

- Natural Selection
- Evidences of Natural Selection

#### **Biological Evolution & Classification**

- Classification

#### **Biological Process & Systems**

- Biomolecules & Enzymes

#### **Biological Process & Systems**

- Homeostasis & Human Responses
- Plant Responses

#### **Interdependence within Environmental Systems**

- Food Chains & Food Webs
- Trophic Levels

#### **Interdependence within Environmental Systems**

- Succession
- Symbiosis

#### **Module Format:**

- Reteach
- Review/Apply
- STAAR Practice/Strategies



## **Student Review Modules for STAAR Success**

### **8<sup>th</sup> Grade Social Studies**

#### **Colonization**

- Exploration & Colonization
- Colonies
- Growth of Representative Government

#### **Revolution**

- Causes of Revolution
- Significant Individuals
- Events, Battles & Treaties

#### **Creation/Ratification of Constitution**

- Constitutional Convention
- Federalists v. Anti-Federalists
- Constitutional Principles & Bill of Rights
- Government

#### **Early Republic**

- Landmark Court Cases
- War of 1812
- Washington-Monroe – 1<sup>st</sup> Five

#### **Age of Jackson**

- Age of Jackson

#### **Westward Expansion**

- Political, Economic & Social Development
- Manifest Destiny
- Mexican American War

#### **Reform Movements**

- Significant Individuals
- Industrialization & Urbanization

#### **Sectionalism**

- Sectionalism

#### **Civil War**

- Significant Individuals
- Events
- Lincoln & his ideas

#### **Reconstruction**

- Political, Economic & Social Impact
- Reconstruction Amendments

#### **Significant Dates**

#### **Culture**

#### **Module Format:**

- Reteach
- Review/Apply
- STAAR Practice/Strategies

## **Student Review Modules for STAAR Success US High School**

### **U.S. Growth & Change (1877-1898)**

- Gilded Age
- Westward Expansion

### **Emergence of U. S. as World Power (1898-1920)**

- Significant Events, Individuals & Policies
- U. S. Expansion
- WWI – Causes & U. S. Involvement
- Issues Raised By WWI

### **Early 20th Century**

- Reform & 3<sup>rd</sup> Party Movements
- Progressive Era Reforms
- Muckrakers & Reform Leaders

### **1920s and 1930s**

- 1920s – Events, Issues & Significant Individuals
- Great Depression & New Deal

### **WWII**

- Reasons for U.S. Involvement
- Significant Individuals
- Major Issues (Holocaust, Japanese Internment & Atomic Weapons)
- Major Military Events
- Homefront

### **Cold War**

- Responses to Soviet Aggression
- Cold War Escalation
- Korean War & Containment
- Vietnam

### **American Civil Rights**

- History & Identifying Obstacles
- Groups & Significant Individuals
- Presidential Actions
- Landmark Court Cases

### **1970s-1990s**

- Nixon & Reagan
- U.S. Middle East Relations
- Conservative Resurgence & Societal Issues

### **1990-21<sup>st</sup> century**

- World Affairs
- Social Issue

### **Geography**

### **Culture**

### **Turning Points in History**

#### **Module Format:**

- Reteach
- Review/Apply
- STAAR Practice/Strategies

## **Student Review Modules for STAAR Success**

### **8<sup>th</sup> Grade Math**

#### **Proportional and Non-Proportional Reasoning**

- Slope
- Proportional Reasoning
- Non-Proportional Reasoning
- Proportional and Non-Proportional Recognition
- Function Identification
- Writing Linear Equations

#### **Module Format:**

- Reteach
- Review/Apply
- STAAR Practice/Strategies

#### **Geometry and Measurement**

- Dilations
- Transformation
- Triangles and Transversals

#### **Geometry and Measurement – 3 Dimensional**

- Surface Area
- Volume

#### **Real Number Relationships**

- Ordering Real Numbers

#### **Equations & Inequalities**

#### **Geometry and Measurement**

- Pythagorean Theorem

#### **Data Analysis**

- Trend Lines

#### **Personal Financial Literacy**

- Simple & Compound Interest

## Student Review Modules for STAAR Success Algebra I

- **Solve Linear Equations & Inequalities in One Variable**
- **Calculate Slope and Rate of Change**
- **Graph Linear Functions**
  - Identify Key Features
  - Determine Domain and Range of Linear Functions
- **Transformation Linear Transformations**
- **Write Equations of Lines from Graphs & Tables**
- **Write Equations of Lines from Verbal Representations**
- **Write & Solve Equations Involving Direct Variations**
- **Write Linear Equations Given Point & Perpendicular/Parallel to a Given Line**
  - Write the Equation of the Line Parallel or Perpendicular to x or y-axis
- **Write Two-Variable Linear Inequalities**
- **Graph Linear Inequalities & Systems of Linear Inequalities**
- **Write Systems of Linear Equations**
- **Solve Systems of Linear Equations**
- **Write Linear Functions from Data**
- **Compare & Contrast Association & Causation**
- **Write Quadratic Functions**
- **Graph Quadratic Functions**
  - Identify Key Attributes
  - Determine Domain & Range
  - Describe the Relationship Between Linear Factors & Zeros
- **Transform Quadratic Functions**
- **Solve Quadratic Equations Using Graphs & Tables**
- **Solve Quadratic Equations Using Algebraic Methods**
- **Write Exponential Functions**
  - Interpret the Meaning of Values of A & B
- **Graph Exponential Functions & Identify Key Features**
  - Determine Domain & Range of Exponential Functions
- **Model with Quadratic & Exponential Functions**
- **Add, Subtract & Multiply polynomials**
- **Divide Polynomials**
- **Factor Polynomials**
- **Simplify Radical Expressions**
- **Simplify Expressions Using Laws of Exponents**
- **Determine Functions from Multiple Representations**
- **Evaluate Functions**
- **Solve Literal Equations**

## **Student Review Modules for STAAR Success English I**

**Module 1: Introducing and Considering the Skills**

**Module 2: Summarizing**

**Module 3: Making Inferences**

**Module 4: Using Text Evidence**

**Module 5: Analyzing the Use of Language**

**Module 6: Analyzing Informational Text**

**Module 7: Analyzing Author's Purpose, Message, and Audience**

**Module 8: Synthesizing Information**

### **Module Format:**

- Reteach
- Review/Apply
- STAAR Practice/Strategies



## **Student Review Modules for STAAR Success English II**

**Module 1: Introducing and Considering the Skills**

**Module 2: Summarizing**

**Module 3: Making Inferences**

**Module 4: Using Text Evidence**

**Module 5: Analyzing the Use of Language**

**Module 6: Analyzing Informational Text**

**Module 7: Analyzing Author's Purpose, Message, and Audience**

**Module 8: Synthesizing Information**

### **Module Format:**

- Reteach
- Review/Apply
- STAAR Practice/Strategies

## Student Process Skills Modules for STAAR Success



### Available for: Social Studies & Science

#### Overview:

Skills! Skills! Skills! For many of our students, the skills necessary for success in the classroom are problematic. Provide students with targeted asynchronous learning modules that introduce and review process skills. Each module includes a student video and learner-centered activities to review and practice the processing skills called out in the TEKS - necessary for success at all grade levels. Students work individually or in small groups at their own pace, completing tasks that allow teachers to diagnose gaps in mastery of critical skills. Student modules can be done in a remote, hybrid or traditional classroom setting.

#### Modules:

- Asynchronous student videos
- Embedded student activities
- Multiple modules per content
- Site license

#### Features:

- Address gaps in process skills
- Tackle and address problematic standards
- Provide engaging, student-centered aligned review
- Target instruction for multiple grade levels
- Spiral content and vary levels of complexity
- Assist in achieving satisfactory performance in the applicable content and grade level

**Student Process Skills Modules for STAAR Success**  
**8<sup>th</sup> Grade Social Studies and US High School Recovery and Acceleration**

**Module 1: Introducing and Considering the Skills**

- Introducing the Tools of Trade

**Module 2: What Does it Mean to Analyze?**

- Identifying and understanding the Tools, Tips, and Techniques

**Module 3: Bias and Point of View**

**Module 4: Drawing Inferences, Making Predictions & Drawing Conclusions**

**Module 5: Identifying Main Idea**

**Module 6: Summarizing**

**Module 7: Sequencing and Cause and Effect Relationships**

**Module 8: Compare and Contrast**

**Module 9: Categorization and Making Generalizations**

**Module 10: Reviewing and Applying the Skills**

**Module Format:**

- Review/Reteach
- Practice the Skill
- Apply/Test Questions
- Tips/Techniques/Reminders

## **Student Process Skills Modules for STAAR Success 8<sup>th</sup> Grade Science and Biology Recovery and Acceleration**

### **Module 1: Measuring in Science**

- Accuracy & Precision
- Use of Tools

### **Module 2: Nature of Science**

- Determining Variables
- Forming Testable Hypotheses
- Making Observations

#### **Module Format:**

- Review/Reteach
- Practice the Skill
- Tips/Techniques/Reminders

### **Module 3: Nature of Science**

- Graphing

### **Module 4: Nature of Science**

- Data Analysis

### **Module 5: Nature of Science**

- Using Models