

## High School

Adaptive Curriculum is an award-winning online supplemental curriculum program that provides interactive, discovery-based, and high-quality visuals designed to enhance teaching and learning in Mathematics and Science for teachers and learners in high school.

Strand	Concept	Activity Object	Type
Number and Operations	Numbers	<a href="#">Prime Factorization</a> <a href="#">Greatest Common Factor of Numbers</a>	Procedure Utilization Concept Development
	Sets	<a href="#">The Basics and Properties of Sets</a> <a href="#">Subsets of a Set</a> <a href="#">Union and Intersection of Sets</a> <a href="#">Complement of a Set</a> <a href="#">The Difference of Two Sets</a> <a href="#">Problems Involving Sets</a>	Concept Development Concept Development Concept Development Concept Development Concept Development Problem Solving
Algebra	Linear Equations and Inequalities	<a href="#">Solving One-Step Linear Equations</a> <a href="#">Solving Two-Step Linear Equations</a> <a href="#">Graphing Linear Inequalities in One Variable</a> <a href="#">Solving One-Step Linear Inequalities</a> <a href="#">Graphing Linear Inequalities in Two Variables</a>	Procedure Utilization Procedure Utilization Guided Discovery Procedure Utilization Procedure Utilization
	Relations and Functions	<a href="#">Different Forms of Representation for a Relationship</a> <a href="#">The Concept of Relation</a> <a href="#">The Concept of Function</a> <a href="#">Determining Whether a Relation is also a Function</a> <a href="#">The Domain and Range of a Function</a> <a href="#">Fundamental Concepts of the Inverses of Functions</a> <a href="#">Calculations Based on the Graphs of Functions</a> <a href="#">Finding Solution Sets Based on Graphs of Functions</a>	Concept Development Concept Development Concept Development Interactive Exercise Interactive Exercise Concept Development Interactive Exercise Interactive Exercise
	Quadratics	<a href="#">Introducing the Quadratic Function and Its Graph</a> <a href="#">A Quadratic Function Given in General and Vertex Form</a> <a href="#">Roots and Coefficients of a Quadratic Equation</a> <a href="#">Visualizing the Parabola</a> <a href="#">Graphing a Quadratic Function: Vertex Form</a> <a href="#">Graphing a Quadratic Function: Intercept Form</a> <a href="#">Graphing a Quadratic Function: General Form</a> <a href="#">Finding the Equation of a Parabola</a> <a href="#">The Range of a Quadratic Function</a> <a href="#">How Two Parabolas Intersect</a> <a href="#">Solving Quadratic Inequalities by Graphing</a> <a href="#">Quadratics with Parameters</a>	Concept Development Procedure Utilization Interactive Exercise Guided Discovery Procedure Utilization Procedure Utilization Procedure Utilization Procedure Utilization Procedure Utilization Guided Discovery Guided Discovery Guided Discovery Interactive Exercise

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Algebra	Polynomials	<a href="#">Characteristics of Polynomials</a> <a href="#">Polynomial Long Division</a> <a href="#">Polynomial Synthetic Division</a> <a href="#">Remainder Theorem</a>	Concept Development Concept Development Procedure Utilization Interactive Exercise
	Trigonometry	<a href="#">The Angle, and Angles in Standard Position</a> <a href="#">Trigonometric Ratios in the Right Triangles</a> <a href="#">Trigonometric Ratios on the Unit Circle</a> <a href="#">Trigonometric Ratios of Special Angles</a> <a href="#">Degree and Radian</a> <a href="#">Arc Length in a Circle</a> <a href="#">Area of a Sector</a> <a href="#">Co-Terminal Angles</a> <a href="#">The Reference Angle</a> <a href="#">Finding the Period of a Trigonometric Function</a> <a href="#">Graphing Sine Function</a> <a href="#">Graphing Cosine Function</a> <a href="#">Graphing Tangent Functions</a> <a href="#">Graphing Cotangent Functions</a>	Concept Development Concept Development Concept Development Procedure Utilization Concept Development Procedure Utilization Procedure Utilization Procedure Utilization Concept Development Concept Development Concept Development Procedure Utilization Procedure Utilization Procedure Utilization Procedure Utilization
Data Analysis and Probability	Counting Principles	<a href="#">Factorial Notation</a> <a href="#">Counting Principles</a> <a href="#">Counting Principles: Digits</a> <a href="#">Circular Permutation Problems</a> <a href="#">Permutations and Their Properties</a> <a href="#">Permutations with Repetition</a> <a href="#">Combinations and Their Properties</a> <a href="#">The Number of Subsets of a Set</a> <a href="#">Counting Problems: Number of Parallelograms</a>	Concept Development Concept Development Interactive Exercise Concept Development Concept Development Concept Development Concept Development Interactive Exercise Problem Solving
	Probability	<a href="#">The Concept of Probability</a> <a href="#">Experimental and Theoretical Probabilities</a> <a href="#">Probability Using Tree Diagrams</a> <a href="#">Analyze Experimental Probability Using Graphs</a> <a href="#">Playing with Probability</a> <a href="#">Find the Given Probability</a> <a href="#">Overlapping and Mutually Exclusive Events</a>	Concept Development Concept Development Concept Development Concept Development Concept Development Interactive Exercise Concept Development