

Middle 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 the middle grades.

Strand	Concept	Activity Object	Type
Number and Operations	Whole Numbers and Integers	<a href="#">Round Whole Numbers</a> <a href="#">Puzzle It! Number Relationships on Operation</a> <a href="#">Subtraction of Integers</a> <a href="#">Addition of Integers</a> <a href="#">Special Numbers</a> <a href="#">Finding Least Common Multiples</a> <a href="#">Greatest Common Factor of Numbers</a>	Concept Development Interactive Exercise Concept Development Concept Development Concept Development Concept Development
	Rational Numbers and Real Numbers	<a href="#">Compare and Order Proper Fractions</a> <a href="#">Compare and Order Mixed Numbers</a> <a href="#">Adding and Subtracting Fractions and Mixed Numbers</a> <a href="#">Multiplication of Fractions</a> <a href="#">Division of Fractions</a> <a href="#">Equivalent Fractions</a> <a href="#">Decimal Representations</a> <a href="#">Compare and Order Decimals with Races</a> <a href="#">Factorization of Decimals Using a Model</a> <a href="#">Rounding Decimals</a> <a href="#">Puzzle It! Operations on Numbers in Scientific Notation</a> <a href="#">Solving Problems Using Money</a> <a href="#">Park Planning Using Rational Numbers</a> <a href="#">Solving Problems Using Proportions</a> <a href="#">Problem Solving Involving Ratio and Proportion</a> <a href="#">Scale Drawing</a> <a href="#">Using a Percent Model</a> <a href="#">Use Percent Proportion to Solve Problems</a> <a href="#">Simple Interest</a> <a href="#">Percentage of Mixtures</a> <a href="#">Estimating the Square Root of Non-Perfect Integers</a>	Concept Development Concept Development Interactive Exercise Visual Proof Visual Proof Interactive Exercise Concept Development Concept Development Concept Development Interactive Exercise Interactive Exercise Interactive Exercise Concept Development Interactive Exercise Problem Solving Concept Development Interactive Exercise Interactive Exercise Concept Development Interactive Exercise Interactive Exercise
Algebra	Patterns	<a href="#">Problem Solving Involving Gauss' Patterns</a> <a href="#">The General Rule for Input/Output Tables</a>	Problem Solving Interactive Exercise
	Algebraic Expressions	<a href="#">Factoring Algebraic Expressions</a> <a href="#">Evaluation of Algebraic Expressions</a>	Concept Development Interactive Exercise
	Equation, Equality, Inequality, Function and Graphs	<a href="#">Different Forms of Representation for a Relationship</a> <a href="#">Translating Problems Into One-Step Equations</a> <a href="#">Slope of a Line</a> <a href="#">Graphs of One-Step Linear Equations</a> <a href="#">Graphs of Two-Step Linear Equations</a> <a href="#">Find the Equations of Linear Graphs</a>	Concept Development Concept Development Interactive Exercise Interactive Exercise Interactive Exercise Interactive Exercise

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Geometry	<b>Basic Concepts in Geometry</b>	<a href="#">Basic Elements of Geometry</a> <a href="#">Points, Lines, Planes and Their Relationships</a> <a href="#">Angles and Types of Angles</a>	Interactive Exercise Interactive Exercise Dynamic Modeling
	<b>Transformational Geometry</b>	<a href="#">Application of Translation</a> <a href="#">Drawing the Reflection of a Figure</a> <a href="#">Symmetry of a Figure</a>	Interactive Exercise Interactive Exercise Interactive Exercise
	<b>Triangles</b>	<a href="#">Interior and Exterior Angles of a Triangle</a> <a href="#">Types of Triangles</a> <a href="#">Let's Find Congruent Triangles</a> <a href="#">Let's Find Similar Triangles</a>	Concept Development Dynamic Modeling Interactive Exercise Interactive Exercise
	<b>Polygons</b>	<a href="#">Sum of the Exterior Angles of Polygons</a> <a href="#">Interior Angles of the Polygons</a> <a href="#">Classification of Quadrilaterals</a> <a href="#">Area of Composite Shapes</a> <a href="#">The Relationship between Perimeter and Area</a> <a href="#">Proof of the Pythagorean Theorem</a> <a href="#">Using the Pythagorean Theorem to Solve Problems</a> <a href="#">Area of Parallelogram</a> <a href="#">Area of a Trapezoid</a>	Visual Proof Concept Development Concept Development Concept Development Concept Development Visual Proof Interactive Exercise Visual Proof Visual Proof
	<b>Circle</b>	<a href="#">Arcs and Angles of a Circle</a> <a href="#">Ratio of a Circle's Circumference to Its Diameter</a> <a href="#">Calculating the Circumference of a Circle</a> <a href="#">Formula for the Area of a Circle</a>	Dynamic Modeling Concept Development Interactive Exercise Visual Proof
	<b>3D Geometry</b>	<a href="#">Drawing 2D Views of a 3D Object</a> <a href="#">Completing the Missing 2D View of a 3D Object</a> <a href="#">Observing Changes in Volume of Square Prisms</a> <a href="#">Problem Solving Involving Volumes of Prisms</a> <a href="#">Observing Changes in Volume of Quadrilateral Pyramids</a> <a href="#">Observing Changes in Volume of Cylinders</a> <a href="#">Formula for the Volume of a Sphere</a> <a href="#">Formula for the Volume of a Cone</a> <a href="#">Observing Changes in Surface Area of Regular Prisms</a> <a href="#">Observing Changes in Surface Area of Square Pyramids</a> <a href="#">Observing Changes in Surface Area of Cylinders</a> <a href="#">Observing Changes in Surface Area of Cones</a>	Interactive Exercise Interactive Exercise Dynamic Modeling Problem Solving Dynamic Modeling Dynamic Modeling Visual Proof Visual Proof Dynamic Modeling Dynamic Modeling Dynamic Modeling Dynamic Modeling

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<b>Measurement</b>	<b>Measurement</b>	<a href="#">Conversion of Length Measures</a> <a href="#">Conversion of the Area Measures</a> <a href="#">Conversion of Volume Measures</a> <a href="#">Measuring Time</a>	Interactive Exercise Interactive Exercise Interactive Exercise Interactive Exercise
<b>Data Analysis and Probability</b>	<b>Tables and Graphs</b>	<a href="#">Drawing Bar Graphs</a> <a href="#">Interpreting Bar Graphs</a> <a href="#">Bar Graphs and Line Graphs</a> <a href="#">Circle Graphs</a> <a href="#">Find the Appropriate Graph</a> <a href="#">Double Bar Graphs</a> <a href="#">Tally Charts</a> <a href="#">Pictograph</a> <a href="#">Histogram</a> <a href="#">Line Plot</a> <a href="#">Box and Whisker Plots</a> <a href="#">Stem and Leaf Plot</a>	Interactive Exercise Interactive Exercise Concept Development Concept Development Interactive Exercise Concept Development Concept Development Concept Development Concept Development Concept Development Concept Development Concept Development
	<b>Measurement of Central Tendency</b>	<a href="#">Mean, Median and Mode</a> <a href="#">Calculate Mean, Median, Mode</a>	Dynamic Modeling Interactive Exercise
	<b>Counting Principles</b>	<a href="#">Fundamental Counting Principle</a> <a href="#">Combinations</a>	Concept Development Concept Development
	<b>Probability</b>	<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>	Concept Development Concept Development Concept Development Concept Development Interactive Exercise