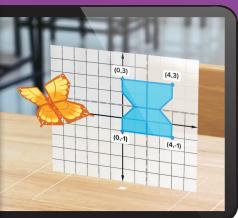


Bring Math to Life

with Augmented Reality





McGraw Hill AR enhances students' ability to visualize math concepts and recognize math in the world around them. Whether it's ski slopes, fireworks, racing cars, or desert islands, students can engage with fun, real-world scenarios that show math is more than just numbers and equations.

These interactive, bite-sized experiences foster deep conceptual understanding and are an excellent complement to *California Reveal Math*.

Each activity offers a consistent approach:

- **Observe:** Students watch a narrated animation.
- **Explore:** Students interact with 3D objects and experiment at their own pace.
- **Evaluate:** Students apply their knowledge by answering interactive questions.

Lesson Plans and Worksheets

Create a free account at **verizon.com/learning/mcgraw-hill** to access lesson plans, student worksheets, and additional Enrichment and Extension activities.

How to Access McGraw Hill AR



McGraw Hill AR offers two experiences—a free app for tablets and smartphones available on the **App Store or Google Play** (or download via QR code), and a web-based version for Chromebooks, laptops, and desktops at **mharonline.com**.

Math Topics in McGraw Hill AR

- Coordinate Plane
- Cross Sections
- Equivalent Fractions*
- Game Theory
- Graph Theory
- Growth Functions
- **LCM**
- Nets
- Parallel and Skew Lines
- Pythagorean Theorem in 3D
- Quadratic Functions
- Ratios
- Reflections
- Rotations
- Solving Equations
- Slope

Spanish versions of activities are available in app and on web.



McGraw Hill AR Correlations to California Reveal Math

McGraw Hill AR Activity	California Reveal Math Lesson
Equivalent Fractions	G4 Unit 9: Visual Fraction Models, Lesson 1: Equivalent Fractions
Coordinate Plane	G5 Unit 12: Plotting to Tell a Data Story, Lesson 5: Rep. Problems on a Coordinate Plane
Ratios	G6 Unit 3: Ratios and Rates, Lesson 1: Understand Ratios
LCM	G6 Unit 6: Numerical & Algebraic Exp., Lesson 7: Find Factors and Multiples
Solve Equations	G6 Unit 8: Equations and Inequalities, Lesson 1: Understand Equations and Their Solutions
Slope	G8 Unit 3: Linear Relationships and Equations, Lesson 1: Describe the Slope of a Line Alg. 1 Unit 3: Linear and Nonlinear Functions, Lesson 2: Rate of Change and Slope Int. 1 Unit 3: Linear and Nonlinear Functions, Lesson 2: Rate of Change and Slope
Pythagorean Theorem in 3D	G8 Unit 6 Angles, Triangles, and the Pythagorean Theorem, Lesson 7: Apply the Pythagorean Theorem
Reflections	G8 Unit 2: Congruence and Similarity, Lesson 2: Explore Reflections Geom. Unit 4: Transformations and Symmetry, Lesson 1: Reflections Int. 1 Unit 12: Transformations and Symmetry, Lesson 1: Reflections
Growth Functions	Alg. 1 Unit 8: Exponential Functions, Lesson 1: Exponential Functions Alg. 2 Unit 7: Exponential Functions, Lesson 5: Modeling Data Int. 3 Unit 4: Exponential Functions, Lesson 5: Modeling Data
Nets	Geom. Unit 1: Tools of Geometry, Lesson 7: Three Dimensional Figures Int. 2 Unit 11: Measurement, Lesson 4: Surface Area
Parallel & Skew Lines	Geom. Unit. 3: Parallel and Perpendicular Lines, Lesson 1: Parallel Lines & Transversals Int. 1 Unit 11: Parallel and Perpendicular Lines, Lesson 1: Parallel Lines and Transversals
Cross Sections	Geom. Unit 11: Measurement, Lesson 5: Cross Sections and Solids of Revolution Int. 3 Unit 8: Advanced Geometry, Lesson 1: Cross Sections and Solids of Revolution
Rotations	Geom. Unit 11: Measurement, Lesson 5: Cross Sections and Solids of Revolution Int. 3 Unit 8: Advanced Geometry, Lesson 1: Cross Sections and Solids of Revolution
Graph Theory	Int. 3 Unit 8: Advanced Geometry
Game Theory	Alg. 2 Unit 10: Inferential Statistics, Lesson 2: Using Statistics to Make Decisions Int. 3 Unit 7: Inferential Statistics, Lesson 2: Using Statistics to Make Decisions
Quadratic Functions	Alg. 2 Unit 3: Quadratic Functions, Lesson 1: Graphing and Interpreting Quadratic Functions Int. 2 Unit 5: Quadratic Functions, Lesson 1: Graphing and Interpreting Quadratic Functions

McGraw Hill AR Content Progressions Across California Reveal Math

/	Original instructions can be used for these grades	Activity may be too rudimentary for these grades	Modified instructions noted for these grades	Activity may be too advanced for these grades
•	be used for these grades	rudimentary for these grades	noted for these grades	advanced for these grades

McGraw Hill AR Activity	Grades K-2	Grades 3–5	Grades 6–8	Alg. 1	Geom.	Alg. 2	Int. 1	Int. 2	Int. 3
Equivalent Fractions: Identify equivalent fractions.	Modification: Go on a treasure hunt for shapes.	~	~	>	~		✓		
Coordinate Plane: Travel from one point to another on the coordinate plane.	Modification: Help the dog find his bone.	~	~						
Ratios: Understand and use ratios.	Modification: Us make different fo		✓	✓	✓	✓	✓	✓	✓
LCM: Find the LCM of a set of numbers.	Modification: Ge complete laps at		✓	>	✓	✓	✓	✓	✓
Solve Equations: Solve one-step equations.	Modification: Ma	ake the	✓	✓	✓	✓	✓	~	✓
Slope: Find the slope of a line.	Modification: He skateboarder lar	✓	>	✓	✓	✓	~	✓	
Pythagorean Theorem in 3D: Use the Pythagorean Theorem with 3D figures.			/	>	~	~	✓	~	✓
Reflections: Apply reflections to 2D figures in the coordinate plane.	Modification: Cathe picture?	n you create	✓	✓	✓	✓	✓	~	✓
Growth Functions: Determine the best model to represent a sequence.	Modification: Ho out of the hat?	ow many bunnies w	vill come	✓	✓	✓	✓	✓	✓
Nets: Identify nets of 3D shapes.	Modification: Op 3D objects.	✓	✓	✓	✓	✓	✓	✓	
Parallel and Skew Lines: Identify parallel, perpendicular, and skew lines in 3D figures.	Modification: Ex 3D objects.	~	~	~	~	~	~	~	
Cross Sections: Identify cross sections.	Modification: Sli create shapes.	✓	>	✓	✓	✓	✓	✓	
Rotations: Identify shapes formed by rotations.	Modification: Ro	✓	>	✓	✓	✓	✓	✓	
Graph Theory: Identify and find Euler Paths.	Modification: Ca	✓	>	✓	✓	✓	✓	✓	
Game Theory: Identify market share and profit.		Modification: How much money can you make?	~	~	~	~	~	~	~
Quadratic Functions: Identify the maximum of a quadratic function.			~	✓	~	✓	✓	~	✓