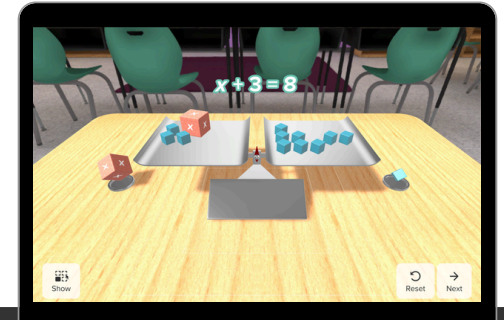
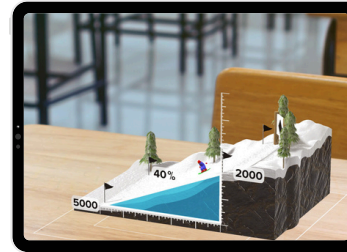


# MCGRAW HILL AR ALIGNMENT TO TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS) FOR MATHEMATICS



ACTIVITY	TEKS FOR MATH
<p><b>Division with Remainders</b></p>	<p>TEKS.2.6.B model, create, and describe contextual division situations in which a set of concrete objects is separated into equivalent sets</p> <p>TEKS.3.4.K Solve one-step and two-step problems involving multiplication and division within 100 using strategies based on objects; pictorial models, including arrays, area models, and equal groups; properties of operations; or recall of facts.</p> <p>TEKS.4.4.H Solve with fluency one- and two-step problems involving multiplication and division, including interpreting remainders</p>
<p><b>Equivalent Fractions</b></p>	<p>TEKS.G4.3.C Determine if two given fractions are equivalent using a variety of methods</p>
<p><b>Add &amp; Subtract Fractions</b></p>	<p>TEKS.5.3.H represent and solve addition and subtraction of fractions with unequal denominators referring to the same whole using objects and pictorial models and properties of operations;</p>
<p><b>Coordinate Plane</b></p>	<p>TEKS.G5.8.A Describe the key attributes of the coordinate plane, including perpendicular number lines (axes) where the intersection (origin) of the two lines coincides with zero on each number line and the given point (0, 0); the x- coordinate, the first number in an ordered pair, indicates movement parallel to the x- axis starting at the origin; and the y- coordinate, the second number, indicates movement parallel to the y- axis starting at the origin.</p>
<p><b>Ratios</b></p>	<p>TEKS.G6.4.B Apply qualitative and quantitative reasoning to solve prediction and comparison of real-world problems involving ratios and rates.</p>
<p><b>LCM</b></p>	<p>TEKS.G6.7.A Generate equivalent numerical expressions using order of operations, including whole number exponents and prime factorization. Note, Texas removed an aligned standard from their TEKS in 2012.</p>
<p><b>One-Step Equations</b></p>	<p>TEKS.G6.10.A Model and solve one-variable, one-step equations and inequalities that represent problems.</p>
<p><b>Two-Step Equations</b></p>	<p>TEKS.G7.11.A model and solve one-variable, two-step equations and inequalities</p>
<p><b>Nets</b></p>	<p>TEKS.HS.G.6.B Use nets to represent and construct three-dimensional geometric figures.</p>
<p><b>Slope</b></p>	<p>TEKS.G8.4C Use data from a table or graph to determine the rate of change or slope and y-intercept in mathematical and real-world problems.</p>

ACTIVITY	TEKS FOR MATH
Growth Functions	TEKS.HS.A2.8.A Analyze data to select the appropriate model from among linear, quadratic, and exponential models.
Reflections	TEKS.HS.G.3.A Describe and perform transformations of figures in a plane using coordinate notation.
Pythagorean Theory in 3D	TEKS.G8.7.C Use the Pythagorean Theorem and its converse to solve problems.
Parallel & Skew Lines	TEKS.HS.G.9.D Analyze the characteristics of polyhedra and other three-dimensional figures and their component parts based on explorations and concrete models.
Cross Sections	TEKS.HS.G.10.A Identify the shapes of two-dimensional cross-sections of prisms, pyramids, cylinders, cones, and spheres.
Rotations	TEKS.HS.G.10.A Identify three-dimensional objects generated by rotations of two-dimensional shapes.
Quadratic Functions	TEKS.HS.A1.7.A Graph quadratic functions on the coordinate plane and use the graph to identify key attributes, if possible, including x- intercept, y- intercept, zeros, maximum value, minimum values, vertex, and the equation of the axis of symmetry.
Graph Theory	TEKS.HS.DM.2.B Use graph models for simple problems in management science.
Game Theory	TEKS.HS.DM.6 Intro to: Discrete Math (6) Game (or competition) theory. The student uses knowledge of basic game theory concepts to calculate optimal strategies. The student analyzes situations and identifies the use of gaming strategies. <a href="https://tea.texas.gov/academics/instructional-materials/review-and-adoption-process/discrete-mathematics-for-problem-solving-breakouts-imra25.pdf">https://tea.texas.gov/academics/instructional-materials/review-and-adoption-process/discrete-mathematics-for-problem-solving-breakouts-imra25.pdf</a>

