

Course Title	Math 6, EdGems			
Content Outline	Instruction Materials Referenced	Standards Taught	How will students demonstrate the learning?	
Unit 1	Multi-Digit Operations	L1.1-L1.6	6.NS.B. Compute fluently with multi-digit numbers and find common factors and multiples.	Unit 1 assessment from EdGems.
Unit 2	Ratios and Rates	L2.1 - L2.5	6.RP.A Understand ratio concepts and use ratio reasoning to solve problems.	Rich tasks, regular and extended performance tasks Unit 2 assessment from EdGems.
Unit 3	Percents	L3.1 - L3.4	6.RP.A Understand ratio concepts and use ratio reasoning to solve problems involving percents.	Unit 3 assessment from EdGems. Performance tasks: Car sale, & Backyard Percents.
Unit 4	Fraction Operations	L4.1 - L4.4	Prerequisite 5.NF.B.4 6.NS.A.1 Understand	Math Performance task & Unit 4 assessment from EdGems
Unit 5	Expressions	L5.1 - L5.6	6.AEE.A.1 Write and evaluate numerical expressions involving whole-number bases and exponents. 6.AEE.A.2 Write, read, and evaluate expressions in which letters stand for numbers. Apply knowledge of common mathematical terms to move between the verbal and mathematical forms of an expression including authentic contexts.	Unit 5 assessment from EdGems

			<p>6.AEE.B.5 Use variables to represent numbers and write expressions when solving problems in an authentic context.</p> <p>6.AEE.A.3 Apply the properties of operations to generate equivalent expressions and to determine when two expressions are equivalent.</p>	
Unit 6	One-Variable Equations	L6.1 - L6.4	<p>6.AEE.B.4 Understand and solve one-variable equations and inequalities.</p> <p>6.AEE.B.6 Write and solve equations of the form $x+p=q$ and $px=q$ in an authentic context. Nonnegative rational numbers.</p>	Unit 6 assessment from EdGems Performance tasks: Spinner, catch the mistakes.
Unit 7	Rational Numbers and the coordinate plane	L7.1 - L7.5	<p>6.AEE.B.7 Understand and write inequalities of the form $x > c$, $x < c$. Describe and graph on a number line solutions of inequalities.</p>	<p>Mystery picture using a coordinate plane. 1 of 4 Bulldog activity</p> <p>Unit 7 assessment from EdGems</p>
Unit 8	Two-variable Equations	L8.2 - L8.3	<p>6.AEE.C.8 Represent and analyze quantitative relationships between dependent and independent variables.</p>	Unit 8 assessment from EdGems
Unit 9	Geometric Reasoning and Measurement	L9.1 - L9.4 (Provide students with the formulas)	<p>6.GM.A.1/2/3/4 Solve real-world and mathematical problems involving area, surface area, and volume.</p>	Unit 9 assessment from EdGems Tiny House Project - Area, perimeter, and geometry are hiding in your house.
Unit 10	Data Reasoning	L10.1 - L10.7	<p>6.DR.A.1 Formulate statistical investigative questions.</p> <p>6.DR.B.2 Collect and consider data.</p> <p>8.DR.C.3 Analyze, summarize, and describe data.</p> <p>8.DR.D.4 Interpret data and answer</p>	Unit 10 assessment from EdGems

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