



Grade: 6th Grade

Content Area Mathematics

Timeline	Big Idea	Next Generation CSO	Student I Can Statement(s) / Learning Target(s)	Academic Vocabulary	Strategies/ Activities/ Resources	Assessments	Notes / Self - Reflection
First 9 Weeks Weeks 1,2,3	The Number System	M.6.NS.1-8 M.6.EE.1,3,6, 7	<p>The student can multiply & divide whole numbers.</p> <p>The student can identify primes & composite numbers.</p> <p>The student can find factors & multiples of numbers.</p> <p>The student can communicate understanding of the connection between the greatest common factor and the distributive property.</p>	<p>Prime Numbers</p> <p>Composite numbers</p> <p>Factor</p> <p>Factor Tree</p> <p>Multiples</p> <p>Common Factor</p> <p>GCF</p> <p>LCM</p>	<p>Pre-test—Odyssey or STAR Math</p> <p>Odyssey Lessons</p> <p>MathFrog Lessons</p> <p>Glencoe Math Connects Text</p> <p>Carnegie Math</p> <p>Teach 21 Lessons</p> <p>MathScape—Language of Numbers</p> <p>Sheppardsoftware.com or other internet math sites</p> <p>Math Interactive Journals</p>	<p>Chapter Tests from Glencoe Math Connects</p> <p>Carnegie</p> <p>STAR Math</p> <p>Odyssey</p> <p>Teacher generated quizzes</p> <p>Graphic Organizers</p>	

First 9 Weeks Weeks 4,5,6	The Number System & Rates and Proportional Relationships	M.6.NS.1-8 M.RP.1-8	<p>The student can identify exponents and understand how to use and solve them.</p> <p>The student can solve problems using the Order of Operations.</p> <p>The student can identify ratios & proportions.</p> <p>The student can analyze ratios and the relationship to fractions and communicate similarities and differences.</p>	<p>Rates</p> <p>Unit Rates</p> <p>Ratios</p> <p>Proportions</p> <p>Order of Operations</p> <p>Exponents</p>	<p>Odyssey Lessons</p> <p>MathFrog.ca Lessons</p> <p>Glencoe Math Connects Text</p> <p>Carnegie Math</p> <p>Teach 21 Lessons</p> <p>MathScape—Language of Numbers & From Wholes to Parts</p> <p>Sheppardsoftware.com or other math websites</p> <p>Math Interactive Journals</p>	<p>Chapter Tests from Glencoe Math Connects</p> <p>Carnegie</p> <p>STAR Math</p> <p>Odyssey</p> <p>Teacher generated quizzes</p> <p>Graphic Organizers</p> <p>Communication with students through Interactive Journals</p>	
First 9 Weeks Weeks 7,8,9	Ratios & Proportions	M.6.NS.1-8 M.RP.1-8	<p>The student can understand the relationship of fractions, decimals, and percents.</p> <p>The student can use ratio and rate reasoning to solve real-world mathematical problems</p> <p>The student can manipulate and transform units from one form to another</p>	<p>Decimal</p> <p>Fraction</p> <p>Equivalent fractions</p> <p>Percents</p> <p>Ratios</p> <p>Rate</p>	<p>Odyssey Lessons</p> <p>MathFrog Lessons</p> <p>Glencoe Math Connects Text</p> <p>Carnegie Math</p> <p>Teach 21 Lessons</p> <p>MathScape—Language of Numbers From Wholes to Parts Beside the Point</p> <p>Sheppardsoftware.com</p> <p>Math Interactive Journals</p>	<p>Chapter Tests from Glencoe Math Connects</p> <p>Carnegie</p> <p>STAR Math</p> <p>Odyssey</p> <p>Teacher generated quizzes</p> <p>Graphic Organizers</p> <p>Communication with students through Interactive Journals</p> <p>9-Weeks Test</p>	