

## Crest Memorial School Curriculum and Pacing Guide

All activities correspond with marking period essential questions. Activity goes with question as do the the corresponding standards, modifications, accommodations, assessments and 21st century learning skills.

Grade: 8

Subject: Mathematics

Adoption Date: 09/01/2015

Revision Date: 11/3/2021

	MP1	MP2	MP3	MP4
Scope and Sequence	<ol style="list-style-type: none"> <li>How can I use real numbers to solve real-world problems? (3 weeks)</li> <li>How can I use scientific notation to solve real-world problems? (4 weeks)</li> <li>How can I use proportional relationships to solve real-world problems? (4 weeks)</li> </ol>	<ol style="list-style-type: none"> <li>How can I use non-proportional relationships to solve real-world problems? (4 weeks)</li> <li>How can I use linear equations to solve real-world problems? (3 weeks)</li> <li>How can I use functions to solve real-world problems? (4 weeks)</li> </ol>	<ol style="list-style-type: none"> <li>How can I use equations with the variable on both sides to solve real-world problems? (3 weeks)</li> <li>How can I use systems of equations to solve real-world problems? (4 weeks)</li> <li>How can I use transformations and congruence to solve real-world problems? (4 weeks)</li> </ol>	<ol style="list-style-type: none"> <li>How can I use angle relationships in parallel lines and triangles to solve real-world problems? (4 weeks)</li> <li>How can I use the Pythagorean Theorem to solve real-world problems? (4 weeks)</li> <li>How can I use volume to solve real-world problems? (3 weeks)</li> </ol>
Instructional Materials	<ol style="list-style-type: none"> <li>Go Math Grade 8 Text</li> <li>Unit Notes</li> <li>Teacher Created Videos</li> <li>Math binders</li> </ol>	<ol style="list-style-type: none"> <li>Go Math Grade 8 Text</li> <li>Unit Notes</li> <li>Teacher Created Videos</li> <li>Math binders</li> </ol>	<ol style="list-style-type: none"> <li>Go Math Grade 8 Text</li> <li>Unit Notes</li> <li>Teacher Created Videos</li> <li>Math binders</li> </ol>	<ol style="list-style-type: none"> <li>Go Math Grade 8 Text</li> <li>Unit Notes</li> <li>Teacher Created Videos</li> <li>Math binders</li> </ol>
Activities	<ol style="list-style-type: none"> <li>Scientific Notation Project</li> <li>Fractions to Decimals Maze</li> <li>Irrational Numbers Sort</li> <li>Irrational Numbers Station</li> <li>Scientific Notation Versatiles</li> <li>Scientific Notation Color by Solution</li> </ol>	<ol style="list-style-type: none"> <li>Proportional and Non-Proportional Sort</li> <li>Non-Proportional Stations</li> <li>Functions Webquest</li> <li>Functions Kahoot</li> </ol>	<ol style="list-style-type: none"> <li>Linear Equations Travel Project</li> <li>Solving Equations Scavenger Hunt</li> <li>Solving Equations Centers</li> <li>Solving Systems by Substitution Maze</li> <li>Solving Systems by Substitution Color by Answer</li> </ol>	<ol style="list-style-type: none"> <li>Similar Triangles Matching</li> <li>Scatter Plot Task Cards</li> <li>Frequency Tables Webquest</li> <li>Pythagorean Theorem Maze</li> <li>Pythagorean Theorem Riddle</li> <li>Triangles Around the World</li> </ol>

	7. Jeopardy Review 8. Slope Scavenger Hunt 9 Quizizz Review		6. Solving Systems by Elimination Partner Worksheet 7. Solving Systems Stations Review 8. Solving Systems Jeopardy Review 9. Transformations Scavenger Hunt 10. Transformations Quizizz	
Standards	MA.8.8.NS.A.1 MA.8.8.NS.A.2 MA.8.8.EE.A.1 MA.8.8.EE.A.2 MA.8.8.EE.A.3 MA.8.8.EE.A.4 MA.8.8.EE.B.5 MA.8.8.EE.B.6	MA.8.8.EE.C.7 MA.8.8.EE.C.7a MA.8.8.EE.C.7 MA.8.8.EE.C.8 MA.8.8.EE.C.8a MA.8.8.EE.C.8b MA.8.8.EE.C.8c MA.8.8.F.A.1 MA.8.8.F.A.2	MA.8.8.F.A.3 MA.8.8.F.B.4 MA.8.8.F.B.5 MA.8.8.G.A.2 MA.8.8.G.A.3 MA.8.8.G.A.4	MA.8.8.G.A.5 MA.8.8.G.A.1a MA.8.8.G.A.1b MA.8.8.G.A.1c MA.8.8.G.B.6 MA.8.8.G.B.7 MA.8.8.G.B.8 MA.8.8.G.C.9
Accommodations and Modifications	<p><b>English language learners:</b></p> <ul style="list-style-type: none"> <li>● Give instructions/directions in writing and orally</li> <li>● Provide multisensory instruction</li> </ul> <p><b>At Risk of School Failure:</b></p> <ul style="list-style-type: none"> <li>● Provide study guides</li> <li>● Modify amount of homework</li> <li>● Break down tasks into manageable units</li> </ul> <p><b>Gifted &amp; Talented Students:</b></p> <ul style="list-style-type: none"> <li>● Allow students to present understanding in different and creative ways</li> <li>● Give opportunities to mentor other students</li> <li>● Ask students high level questions</li> </ul> <p><b>Students with 504 plans:</b></p> <ul style="list-style-type: none"> <li>● Provide printed notes</li> </ul>	<p><b>English language learners:</b></p> <ul style="list-style-type: none"> <li>● Give instructions/directions in writing and orally</li> <li>● Provide multisensory instruction</li> </ul> <p><b>At Risk of School Failure:</b></p> <ul style="list-style-type: none"> <li>● Provide study guides</li> <li>● Modify amount of homework</li> <li>● Break down tasks into manageable units</li> </ul> <p><b>Gifted &amp; Talented Students:</b></p> <ul style="list-style-type: none"> <li>● Allow students to present understanding in different and creative ways</li> <li>● Give opportunities to mentor other students</li> <li>● Ask students high level questions</li> </ul> <p><b>Students with 504 plans:</b></p> <ul style="list-style-type: none"> <li>● Provide printed notes</li> </ul>	<p><b>English language learners:</b></p> <ul style="list-style-type: none"> <li>● Give instructions/directions in writing and orally</li> <li>● Provide multisensory instruction</li> </ul> <p><b>At Risk of School Failure:</b></p> <ul style="list-style-type: none"> <li>● Provide study guides</li> <li>● Modify amount of homework</li> <li>● Break down tasks into manageable units</li> </ul> <p><b>Gifted &amp; Talented Students:</b></p> <ul style="list-style-type: none"> <li>● Allow students to present understanding in different and creative ways</li> <li>● Give opportunities to mentor other students</li> <li>● Ask students high level questions</li> </ul> <p><b>Students with 504 plans:</b></p> <ul style="list-style-type: none"> <li>● Provide printed notes</li> </ul>	<p><b>English language learners:</b></p> <ul style="list-style-type: none"> <li>● Give instructions/directions in writing and orally</li> <li>● Provide multisensory instruction</li> </ul> <p><b>At Risk of School Failure:</b></p> <ul style="list-style-type: none"> <li>● Provide study guides</li> <li>● Modify amount of homework</li> <li>● Break down tasks into manageable units</li> </ul> <p><b>Gifted &amp; Talented Students:</b></p> <ul style="list-style-type: none"> <li>● Allow students to present understanding in different and creative ways</li> <li>● Give opportunities to mentor other students</li> <li>● Ask students high level questions</li> </ul> <p><b>Students with 504 plans:</b></p> <ul style="list-style-type: none"> <li>● Provide printed notes</li> </ul>

	<ul style="list-style-type: none"> <li>• Preferential seating</li> </ul>	<ul style="list-style-type: none"> <li>• Preferential seating</li> </ul>	<ul style="list-style-type: none"> <li>• Preferential seating</li> </ul>	<ul style="list-style-type: none"> <li>• Preferential seating</li> </ul>
Interdisciplinary Connections	<b>Activity 1: Social Studies</b> - students choose a real-world topic of choice to investigate	<b>Activity 3: Computers</b> - students use technology to explore internet resources	<b>Activity 1: Social Studies</b> - students research travel destinations around the world	<b>Activity 6: Social Studies</b> - students explore architecture around the world
Assessments	<b>Benchmark Assessments</b> <ul style="list-style-type: none"> <li>• NJSLA / Start Strong Assessment</li> <li>• MAP Testing</li> <li>• IXL Scores</li> </ul> <b>Ongoing Progress Monitoring</b> <ul style="list-style-type: none"> <li>• Leveled Module Quizzes</li> <li>• Effective Questioning</li> <li>• Warm-Ups and Exit Tickets</li> </ul> <b>Summative assessments</b> <ul style="list-style-type: none"> <li>• Leveled Unit Tests</li> <li>• Projects</li> </ul>	<b>Benchmark Assessments</b> <ul style="list-style-type: none"> <li>• NJSLA / Start Strong Assessment</li> <li>• MAP Testing</li> <li>• IXL Scores</li> </ul> <b>Ongoing Progress Monitoring</b> <ul style="list-style-type: none"> <li>• Leveled Module Quizzes</li> <li>• Effective Questioning</li> <li>• Warm-Ups and Exit Tickets</li> </ul> <b>Summative assessments</b> <ul style="list-style-type: none"> <li>• Leveled Unit Tests</li> <li>• Projects</li> </ul>	<b>Benchmark Assessments</b> <ul style="list-style-type: none"> <li>• NJSLA / Start Strong Assessment</li> <li>• MAP Testing</li> <li>• IXL Scores</li> </ul> <b>Ongoing Progress Monitoring</b> <ul style="list-style-type: none"> <li>• Leveled Module Quizzes</li> <li>• Effective Questioning</li> <li>• Warm-Ups and Exit Tickets</li> </ul> <b>Summative assessments</b> <ul style="list-style-type: none"> <li>• Leveled Unit Tests</li> <li>• Projects</li> </ul>	<b>Benchmark Assessments</b> <ul style="list-style-type: none"> <li>• NJSLA / Start Strong Assessment</li> <li>• MAP Testing</li> <li>• IXL Scores</li> </ul> <b>Ongoing Progress Monitoring</b> <ul style="list-style-type: none"> <li>• Leveled Module Quizzes</li> <li>• Effective Questioning</li> <li>• Warm-Ups and Exit Tickets</li> </ul> <b>Summative assessments</b> <ul style="list-style-type: none"> <li>• Leveled Unit Tests</li> <li>• Projects</li> </ul>
21st Century Themes and Skills	CRP.K-12.CRP2.1 CRP.K-12.CRP4.1 CRP.K-12.CRP6.1 CRP.K-12.CRP8.1	CRP.K-12.CRP2.1 CRP.K-12.CRP4.1 CRP.K-12.CRP6.1 CRP.K-12.CRP8.1	CRP.K-12.CRP2.1 CRP.K-12.CRP4.1 CRP.K-12.CRP6.1 CRP.K-12.CRP8.1	CRP.K-12.CRP2.1 CRP.K-12.CRP4.1 CRP.K-12.CRP6.1 CRP.K-12.CRP8.1