

## 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: 7th

Subject: Math

Adoption Date: 09/01/15

Revision Date: 11/3/2021

|                         | MP1   | MP2  | MP3  | MP4  |
|-------------------------|---|--|--|--|
| Scope and Sequence      | <p>How can you use addition and subtraction of integers to solve real-world problems?<br/>(3 Weeks)</p> <p>How can you use multiplication and division to solve real-world problems?<br/>(3 Weeks)</p> <p>How can you use rational numbers to solve real-world problems?<br/>(3.5 Weeks)</p> <p>How can you use rates and proportionality to solve real world problems?<br/>(2 Weeks)</p> | <p>How can you use proportions and percents to solve real-world problems?<br/>(4 Weeks)</p> <p>How can you use algebraic expressions and equations to solve real-world problems?<br/>(4 Weeks)</p> <p>How can you use inequalities to solve real-world problems?<br/>(3 Weeks)</p> | <p>How can you use proportions to solve real-world geometry problems?<br/>(3 Weeks)</p> <p>How can you use circumference, area, and volume to solve real-world problems?<br/>(4 Weeks)</p> <p>How can you use random samples and populations to solve real-world problems?<br/>(4 Weeks)</p> | <p>1.) How can you solve real-world problems by analyzing and comparing data?<br/>(2 Weeks)</p> <p>2.) How can you use experimental probability to solve real-world problems?<br/>(4 Weeks)</p> <p>3.) How can you use theoretical probability to solve real-world problems?<br/>(5 Weeks)</p> |
| Instructional Materials | <p>1.) GoMath Textbook</p> <p>2.) Unit Notes</p> <p>3.) Teacher Created Videos</p> <p>4.) Math Binder</p>   | <p>1.) GoMath Textbook</p> <p>2.) Unit Notes</p> <p>3.) Teacher Created Videos</p> <p>4.) Math Binder</p>  | <p>1.) GoMath Textbook</p> <p>2.) Unit Notes</p> <p>3.) Teacher Created Videos</p> <p>4.) Math Binder</p>  | <p>1.) GoMath Textbook</p> <p>2.) Unit Notes</p> <p>3.) Teacher Created Videos</p> <p>4.) Math Binder</p>  |

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| <p>Activities</p> | <p><b>1:</b> Travel Project</p> <p><b>2:</b> Versatiles: Adding and Subtracting Integers</p> <p><b>3:</b> Module 1 Stations Review</p> <p><b>4:</b> FACEing Math: Multiplying and Dividing Integers</p> <p><b>5:</b> KAHOOT: Multiplying and Dividing</p> <p><b>6:</b> Fractions to Decimals Board Raves</p> <p><b>7:</b> Word Problem Scoot: Operations with rational numbers</p> <p><b>8:</b> Quizizz Practice Game</p> <p><b>9:</b> Unit 1 Study Guide</p> | <p><b>1:</b> Proportional Relationship Stations</p> <p><b>2:</b> Black Friday Sales Advertisement</p> <p><b>3:</b> Pablo's Cactus Grill Assignment</p> <p><b>4:</b> Create your Own Food Truck Activity</p> <p><b>5:</b> Review Stations: Discounts and Markups</p> <p><b>6:</b> Color by Solution: One Step Equations</p> <p><b>7:</b> Scavenger Hunt: Two Step Equations</p> <p><b>8:</b> Color by Inequalities</p> <p><b>9:</b> Equations and Inequalities Review Stations</p> | <p><b>1:</b> Vocabulary Activity</p> <p><b>2:</b> Angles Kahoot</p> <p><b>3:</b> Angles around the Room Activity</p> <p><b>4:</b> Circumference Donut Activity</p> <p><b>5:</b> Circumference Pizza Activity</p> <p><b>6:</b> Area of Room Packet</p> <p><b>7:</b> Versatile: Area of a Circle</p> <p><b>8:</b> Area of Composite Figures Scavenger Hunt</p> <p><b>9:</b> Area of Composite Figures Task Card Activity</p> <p><b>10:</b> Volume Maze</p> <p><b>11:</b> Area Dreamhouse Activity</p> | <p><b>1:</b> Probability Carnival Games Project</p> <p><b>2:</b> Probability Packet</p> <p><b>3:</b> Probability Task Cards</p> <p><b>4:</b> Scatter Plot Task Cards</p> <p><b>5:</b> Vocabulary Assignment</p> <p><b>6:</b> Area Dreamhouse Activity</p> <p><b>7:</b> Kahoot: Probability</p> <p><b>8:</b> Study Guide Probability</p> |
| <p>Standards</p>  | <ul style="list-style-type: none"> <li>• MA.7.7.RP.A.1</li> <li>• MA.7.7.RP.A.2a</li> <li>• MA.7.7.NS.A</li> <li>• MA.7.7.NS.A.1</li> <li>• MA.7.7.NS.A.1b</li> <li>• MA.7.7.NS.A.1c</li> <li>• MA.7.7.NS.A.1d</li> <li>• MA.7.7.NS.A.2a</li> <li>• MA.7.7.NS.A.2b -</li> <li>• MA.7.7.NS.A.2c</li> <li>• MA.7.7.NS.A.2d</li> <li>• MA.7.7.NS.A.3</li> </ul>  | <ul style="list-style-type: none"> <li>• MA.7.7.RP.A.2b</li> <li>• MA.7.7.RP.A.2c</li> <li>• MA.7.7.RP.A.2d</li> <li>• MA.7.7.EE.A.1</li> <li>• MA.7.7.EE.A.2</li> <li>• MA.7.7.EE.B.3</li> <li>• MA.7.7.EE.B.4a</li> <li>• MA.7.7.EE.B.4b</li> </ul>   | <ul style="list-style-type: none"> <li>• MA.7.7.G.A.1</li> <li>• MA.7.7.G.A.2</li> <li>• MA.7.7.G.A.3</li> <li>• MA.7.7.G.B.4</li> <li>• MA.7.7.G.B.5</li> <li>• MA.7.7.G.B.6</li> <li>• MA.7.7.SP.A.1</li> <li>• MA.7.7.SP.A.2</li> </ul>  | <ul style="list-style-type: none"> <li>• MA.7.7.SP.B.3</li> <li>• MA.7.7.SP.B.4</li> <li>• MA.7.7.SP.C.5</li> <li>• MA.7.7.SP.C.6</li> <li>• MA.7.7.SP.C.7a</li> <li>• MA.7.7.SP.C.7b</li> <li>• MA.7.7.SP.C.8a</li> <li>• MA.7.7.SP.C.8b</li> <li>• MA.7.7.SP.C.8c</li> </ul>  |

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| <p>Accommodations and Modifications</p> | <p><b>English language learners:</b></p> <ul style="list-style-type: none"> <li>● Assign a buddy, same language or English Speaking</li> <li>● Reduce amount of work required</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>● Limit amount of material on a single page</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> <li>● Preferential seating</li> </ul> | <p><b>English language learners:</b></p> <ul style="list-style-type: none"> <li>● Assign a buddy, same language or English Speaking</li> <li>● Reduce amount of work required</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>● Limit amount of material on a single page</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> <li>● Preferential seating</li> </ul> | <p><b>English language learners:</b></p> <ul style="list-style-type: none"> <li>● Assign a buddy, same language or English Speaking</li> <li>● Reduce amount of work required</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>● Limit amount of material on a single page</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> <li>● Preferential seating</li> </ul> | <p><b>English language learners:</b></p> <ul style="list-style-type: none"> <li>● Assign a buddy, same language or English Speaking</li> <li>● Reduce amount of work required</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>● Limit amount of material on a single page</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> <li>● Preferential seating</li> </ul> |
| <p>Interdisciplinary Connections</p>    | <p><b>Activity 1:</b> Language Arts - Student's read the novel Walk Two Moons in Literature. This project is created in conjunction to the novel</p> <p><b>Activity 3:</b> Science- Word Problems deal with temperature, elevation, and locations of various objects</p>   | <p><b>Activity 2:</b> Language Arts: Students use persuasive techniques to create an advertisement for their created stores</p> <p><b>Activity 4:</b> Culinary Arts: Students will research and learn about kitchens, supplies, and strategies to cook food.</p> <p><b>Activity 4:</b> Students will write an informative piece about their food truck</p>   | <p><b>Activity 7: Social Studies</b> students will find the area and circumference of many famous circular objects around the world</p> <p><b>Activity 10: Science-</b> Students will learn about volume of various real life objects in science</p>   | <p><b>Activity 1:</b> Art- Students will design and decorate a carnival game. Use of color and design is a key component in scoring rubric</p> <p><b>Activity 6:</b> Social Studies - As part of the packet students will find area of many famous American Buildings</p>  |

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| Assessments                    | <p><b>Benchmark Assessments</b></p> <ul style="list-style-type: none"> <li>• Leveled Module Quizzes</li> <li>• Teacher Generated Assessment</li> <li>• MAP Testing</li> </ul> <p><b>Ongoing Progress Monitoring</b></p> <ul style="list-style-type: none"> <li>• IXL Scores</li> <li>• Effective Questioning</li> <li>• Warm-Ups and Exit Tickets</li> </ul> <p><b>Summative assessments</b></p> <ul style="list-style-type: none"> <li>• Leveled Unit Tests</li> <li>• Projects</li> </ul> | <p><b>Benchmark Assessments</b></p> <ul style="list-style-type: none"> <li>• Leveled Module Quizzes</li> <li>• Teacher Generated Assessment</li> <li>• MAP Testing</li> </ul> <p><b>Ongoing Progress Monitoring</b></p> <ul style="list-style-type: none"> <li>• IXL Scores</li> <li>• Effective Questioning</li> <li>• Warm-Ups and Exit Tickets</li> </ul> <p><b>Summative assessments</b></p> <ul style="list-style-type: none"> <li>• Leveled Unit Tests</li> <li>• Projects</li> </ul> | <p><b>Benchmark Assessments</b></p> <ul style="list-style-type: none"> <li>• Leveled Module Quizzes</li> <li>• Teacher Generated Assessment</li> <li>• MAP Testing</li> </ul> <p><b>Ongoing Progress Monitoring</b></p> <ul style="list-style-type: none"> <li>• IXL Scores</li> <li>• Effective Questioning</li> <li>• Warm-Ups and Exit Tickets</li> </ul> <p><b>Summative assessments</b></p> <ul style="list-style-type: none"> <li>• Leveled Unit Tests</li> <li>• Projects</li> </ul> | <p><b>Benchmark Assessments</b></p> <ul style="list-style-type: none"> <li>• Leveled Module Quizzes</li> <li>• Teacher Generated Assessment</li> <li>• MAP Testing</li> </ul> <p><b>Ongoing Progress Monitoring</b></p> <ul style="list-style-type: none"> <li>• IXL Scores</li> <li>• Effective Questioning</li> <li>• Warm-Ups and Exit Tickets</li> </ul> <p><b>Summative assessments</b></p> <ul style="list-style-type: none"> <li>• Leveled Unit Tests</li> <li>• Projects</li> </ul> |
| 21st Century Themes and Skills | <ul style="list-style-type: none"> <li>• CRP.K-12.CRP1.1</li> <li>• CRP.K-12.CRP2.1</li> <li>• CRP.K-12.CRP4.1</li> <li>• CRP.K-12.CRP7.1</li> <li>• CRP.K-12.CRP8.1</li> <li>• CRP.K-12.CRP9.1</li> <li>• CRP.K-12.CRP11.1</li> <li>• CRP.K-12.CRP12.1</li> </ul>  | <ul style="list-style-type: none"> <li>• CRP.K-12.CRP1.1</li> <li>• CRP.K-12.CRP2.1</li> <li>• CRP.K-12.CRP4.1</li> <li>• CRP.K-12.CRP7.1</li> <li>• CRP.K-12.CRP8.1</li> <li>• CRP.K-12.CRP9.1</li> <li>• CRP.K-12.CRP11.1</li> <li>• CRP.K-12.CRP12.1</li> </ul>  | <ul style="list-style-type: none"> <li>• CRP.K-12.CRP1.1</li> <li>• CRP.K-12.CRP2.1</li> <li>• CRP.K-12.CRP4.1</li> <li>• CRP.K-12.CRP7.1</li> <li>• CRP.K-12.CRP8.1</li> <li>• CRP.K-12.CRP9.1</li> <li>• CRP.K-12.CRP11.1</li> <li>• CRP.K-12.CRP12.1</li> </ul>  | <ul style="list-style-type: none"> <li>• CRP.K-12.CRP1.1</li> <li>• CRP.K-12.CRP2.1</li> <li>• CRP.K-12.CRP4.1</li> <li>• CRP.K-12.CRP7.1</li> <li>• CRP.K-12.CRP8.1</li> <li>• CRP.K-12.CRP9.1</li> <li>• CRP.K-12.CRP11.1</li> <li>• CRP.K-12.CRP12.1</li> </ul>  |