

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	1. How can you use integers to solve real-world problems? (2 Weeks) 2. How can you use greatest common factors and least common multiples to solve real-world problems? (2 Weeks) 3. How can you use rational numbers to solve real-world problems? (3 Weeks) 4. How can you use operations with fractions to solve real-word problems? (4 Weeks)	1. How can you use operations with decimals to solve real-world problems? (4 Weeks) 2. How can you represent ratios and rates to solve real-world problems? (3.5 Weeks) 3. How can you apply ratios and rate to solve real-world problems? (4 Weeks)	1. How can you use percents to solve real-world problems? (2 Weeks) 2. How can you generate equivalent numerical expressions and use them to solve real-world problems? (3 Weeks) 3. How can you generate equivalent algebraic expressions and use them to solve real-world problems? (3 Weeks) 4. How can you use equations and relationships to solve real-world problems? (3 Weeks)	1. How can you use relationships in two variables to solve real-world problems? (3.5 Weeks) 2. How can you find the area of an irregular polygon using area formulas? (3 Weeks) 3. What steps might you take to solve a polygon problem given the coordinates of its vertices? (2 Weeks) 4. How can a model help you to solve surface area and volume problems? (3 Weeks)
Instructional Materials	1. Go Math Grade 6 Text 2. Unit Notes 3. Teacher Created Videos 4. Math binders	1. Go Math Grade 6 Text 2. Unit Notes 3. Teacher Created Videos 4. Math binders	1. Go Math Grade 6 Text 2. Unit Notes 3. Teacher Created Videos 4. Math binders	1. Go Math Grade 6 Text 2. Unit Notes 3. Teacher Created Videos 4. Math binders
Activities	1: Integer Timeline Project 2: Learning Stations Review 3: Scavenger Hunt: GCF/LCM	1: Catering Project 2: Color by Solution: Add and subtract decimals 3: FACEing Math: dividing	1: Shopping List Project 2: Lemonade Stand Project 3: Task Cards:	1: Cereal Box Project 2: Area of Room Activity 3: Area of Polygon Kahoot 4: Task Cards:Composite

	<p>4: Maze: GCF 5: Review Kahoot 6: Create a Numberline: Rational Numbers 7: Post-It Sort: Rational Numbers 8: Scavenger Hunt: Rational Numbers 9: FACEing Math: Add and subtract fractions 10: Color by Solution: multiply and divide fractions</p>	<p>decimals 4: Scoot: Decimal word problems 5: Review Kahoot 6: Scavenger Hunt: Unit Rate 7: Partner Checking Worksheet: Proportions 8: Learning Stations Review</p>	<p>Proportions 4: Measure the Room 5: Review Kahoot 6: Matching Activity: Percents, Decimals, and Fractions 7: Color by solution: Percents 8: Scavenger Hunt: Order of Operations 9: Jeopardy Review Game 10: Scavenger Hunt: Writing Expressions</p>	<p>Figures 5: FACEing Math: Evaluating Expressions 6: Riddle: Surface Area 7: Maze: Volume 8: Escape Room: Area 9: 3D Print: Volume</p>
Standards	<p>MA.6.6.NS.A MA.6.6.NS.A.1 MA.6.6.NS.B MA.6.6.NS.B.2 MA.6.6.NS.B.3 MA.6.6.NS.B.4 MA.6.6.NS.C MA.6.6.NS.C.5 MA.6.6.NS.C.6 MA.6.6.NS.C.6a MA.6.6.NS.C.6b MA.6.6.NS.C.6c MA.6.6.NS.C.7 MA.6.6.NS.C.7a MA.6.6.NS.C.7b MA.6.6.NS.C.7c MA.6.6.NS.C.7d</p>	<p>MA.6.6.RP.A MA.6.6.RP.A.1 MA.6.6.RP.A.2 MA.6.6.RP.A.3 MA.6.6.RP.A.3a MA.6.6.RP.A.3b MA.6.6.RP.A.3c MA.6.6.RP.A.3d</p>	<p>MA.6.6.RP.A.3c MA.6.6.EE.A MA.6.6.EE.A.1 MA.6.6.EE.A.2 MA.6.6.EE.A.2a MA.6.6.EE.A.2b MA.6.6.EE.A.2c MA.6.6.EE.A.3 MA.6.6.EE.A.4 MA.6.6.EE.B MA.6.6.EE.B.5 MA.6.6.EE.B.6 MA.6.6.EE.B.7 MA.6.6.EE.B.8</p>	<p>MA.6.6.EE.C MA.6.6.G.A MA.6.6.G.A.1 MA.6.6.G.A.2 MA.6.6.G.A.3 MA.6.6.G.A.4</p>
Accommodations and Modifications	<p>English language learners:</p> <ul style="list-style-type: none"> Give instructions/directions in writing and orally Reduce amount of work required <p>At Risk of School Failure:</p> <ul style="list-style-type: none"> Provide study guides Modify amount of homework 	<p>English language learners:</p> <ul style="list-style-type: none"> Give instructions/directions in writing and orally Reduce amount of work required <p>At Risk of School Failure:</p> <ul style="list-style-type: none"> Provide study guides Modify amount of homework 	<p>English language learners:</p> <ul style="list-style-type: none"> Give instructions/directions in writing and orally Reduce amount of work required <p>At Risk of School Failure:</p> <ul style="list-style-type: none"> Provide study guides Modify amount of homework 	<p>English language learners:</p> <ul style="list-style-type: none"> Give instructions/directions in writing and orally Reduce amount of work required <p>At Risk of School Failure:</p> <ul style="list-style-type: none"> Provide study guides Modify amount of homework

	<ul style="list-style-type: none"> Break down tasks into manageable units <p>Gifted & Talented Students:</p> <ul style="list-style-type: none"> Allow students to present understanding in different and creative ways Give opportunities to mentor other students Ask students high level questions <p>Students with 504 plans:</p> <ul style="list-style-type: none"> Provide printed notes Preferential seating 	<ul style="list-style-type: none"> Break down tasks into manageable units <p>Gifted & Talented Students:</p> <ul style="list-style-type: none"> Allow students to present understanding in different and creative ways Give opportunities to mentor other students Ask students high level questions <p>Students with 504 plans:</p> <ul style="list-style-type: none"> Provide printed notes Preferential seating 	<ul style="list-style-type: none"> Break down tasks into manageable units <p>Gifted & Talented Students:</p> <ul style="list-style-type: none"> Allow students to present understanding in different and creative ways Give opportunities to mentor other students Ask students high level questions <p>Students with 504 plans:</p> <ul style="list-style-type: none"> Provide printed notes Preferential seating 	<ul style="list-style-type: none"> Break down tasks into manageable units <p>Gifted & Talented Students:</p> <ul style="list-style-type: none"> Allow students to present understanding in different and creative ways Give opportunities to mentor other students Ask students high level questions <p>Students with 504 plans:</p> <ul style="list-style-type: none"> Provide printed notes Preferential seating
Interdisciplinary Connections	<p>Activity 1: Art - exploring properties of space, measurement, and placement of graphics when creating a timeline.</p> <p>Activity 2: Social Studies - investigating location, elevation, above/below sea level of mountains and trenches.</p>	<p>Activity 1: Language Arts - compose a paragraph explaining their mathematical process and step-by-step directions</p> <p>Activity 1: Home Economics create their knowledge of fractions to increase and decrease of recipe serving sizes</p>	<p>Activity 1: Language Arts - construct an advertisement to encourage audience to frequent their stand</p>	<p>Activity 9: Science - creation of an object to be 3D printed and scale models</p> <p>Activity 1: Language Arts - construct a persuasive paragraph to encourage buyers to purchase cereal</p>
Assessments	<p>Benchmark Assessments</p> <ul style="list-style-type: none"> NJSLA / Start Strong Assessment MAP Testing IXL Scores <p>Ongoing Progress Monitoring</p> <ul style="list-style-type: none"> Leveled Module Quizzes Effective Questioning Warm-Ups and Exit Tickets <p>Summative assessments</p> <ul style="list-style-type: none"> Leveled Unit Tests Projects 	<p>Benchmark Assessments</p> <ul style="list-style-type: none"> NJSLA / Start Strong Assessment MAP Testing IXL Scores <p>Ongoing Progress Monitoring</p> <ul style="list-style-type: none"> Leveled Module Quizzes Effective Questioning Warm-Ups and Exit Tickets <p>Summative assessments</p> <ul style="list-style-type: none"> Leveled Unit Tests Projects 	<p>Benchmark Assessments</p> <ul style="list-style-type: none"> NJSLA / Start Strong Assessment MAP Testing IXL Scores <p>Ongoing Progress Monitoring</p> <ul style="list-style-type: none"> Leveled Module Quizzes Effective Questioning Warm-Ups and Exit Tickets <p>Summative assessments</p> <ul style="list-style-type: none"> Leveled Unit Tests Projects 	<p>Benchmark Assessments</p> <ul style="list-style-type: none"> NJSLA / Start Strong Assessment MAP Testing IXL Scores <p>Ongoing Progress Monitoring</p> <ul style="list-style-type: none"> Leveled Module Quizzes Effective Questioning Warm-Ups and Exit Tickets <p>Summative assessments</p> <ul style="list-style-type: none"> Leveled Unit Tests Projects

21st Century Themes and Skills	CRP.K-12.CRP2.1 CRP.K-12.CRP4.1 CRP.K-12.CRP8.1 CRP.K-12.CRP11.1 CRP.K-12.CRP12.1	CRP.K-12.CRP2.1 CRP.K-12.CRP4.1 CRP.K-12.CRP8.1 CRP.K-12.CRP11.1 CRP.K-12.CRP12.1	CRP.K-12.CRP2.1 CRP.K-12.CRP4.1 CRP.K-12.CRP8.1 CRP.K-12.CRP11.1 CRP.K-12.CRP12.1	CRP.K-12.CRP2.1 CRP.K-12.CRP4.1 CRP.K-12.CRP8.1 CRP.K-12.CRP11.1 CRP.K-12.CRP12.1
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