



Course Title: Math 7

Content Area: Mathematics

Grade Level: 7

Scope and Sequence

Unit or Topic	Standards	Length of Time	Key Content	Assessment Tools	Scaffolding Strategies (Interventions, Special Education)	Resources & Materials
Topic 1: Rational Number Operations	CC.2.1.7.E.1; M07.A-N.1.1; M07.A-N.1.3	24-26 days	<ul style="list-style-type: none">• Integers and their Opposites• Operations with Integers• Operations with Rational Numbers	<ul style="list-style-type: none">• Homework quizzes 2-3x/wk• Delta Math and Desmos assignments• Assessments from Envision Mathematics Teacher created quizzes and tests	<p>Intervention services will be offered to students who need extra help.</p> <p>Test corrections are accepted if a student fails a test.</p>	<p>enVision Mathematics resources and teacher-created materials.</p> <p>Materials are posted in OneNote.</p>
Topic 2: Analyze and Use Proportional Relationships	CC.2.1.7.D.1; M07.A-R.1.1.1; M07.A-R.1.1.2; M07.A-R.1.1.3; M07.A-R.1.1.6	16-18 days	<ul style="list-style-type: none">• Ratios, Rates, Unit Rates• Proportional Relationships: Graphs, Tables, EquationsProblem Solving with Proportions	<ul style="list-style-type: none">• Homework quizzes 2-3x/wk• Delta Math and Desmos assignments• Assessments from	<p>Intervention services will be offered to students who need extra help.</p> <p>Test corrections are accepted if a student fails a test.</p>	<p>enVision Mathematics resources and teacher-created materials.</p> <p>Materials are posted in OneNote.</p>

				Envision Mathematics Teacher created quizzes and tests		
Topic 3: Analyze and Solve Percent Problems	CC.2.1.7.D.1; M07.A-R.1.1.1-6	16-18 days	<ul style="list-style-type: none"> • Percent of a Number • Proportions and Equations with Percents • %Change • %Error • Tax, Markup, Markdown, Simple Interest 	<ul style="list-style-type: none"> • Homework quizzes 2-3x/wk • Delta Math and Desmos assignments • Assessments from Envision Mathematics Teacher created quizzes and tests 	<p>Intervention services will be offered to students who need extra help.</p> <p>Test corrections are accepted if a student fails a test.</p>	<p>enVision Mathematics resources and teacher-created materials.</p> <p>Materials are posted in OneNote.</p>
Topic 4: Generate Equivalent Expressions	CC.2.2.7.B.1; CC.2.2.7.B.3 M07.B-E.2.1.1; M07.B-E.1.1.1	20-22 days	<ul style="list-style-type: none"> • Write, Evaluate, and Simplify Algebraic Expressions • Expand and Factor Expressions • Add and Subtract Expressions 	<ul style="list-style-type: none"> • Homework quizzes 2-3x/wk • Delta Math and Desmos assignments • Assessments from Envision Mathematics Teacher created quizzes and tests 	<p>Intervention services will be offered to students who need extra help.</p> <p>Test corrections are accepted if a student fails a test.</p>	<p>enVision Mathematics resources and teacher-created materials.</p> <p>Materials are posted in OneNote.</p>
Topic 5: Solve Problems Using Equations	CC.2.2.7.B.3; M07.B-E.2.2.1; M07.B-E.2.2.2	18-20 days	<ul style="list-style-type: none"> • Write and Solve 2-Step Equations • Solve Equations using Dist. Prop. 	<ul style="list-style-type: none"> • Homework quizzes 2-3x/wk 	<p>Intervention services will be offered to students who need extra help.</p>	<p>enVision Mathematics resources and teacher-created materials.</p>

and Inequalities			<ul style="list-style-type: none"> • Solve 1- and 2-Step Inequalities and Graph their Solutions 	<ul style="list-style-type: none"> • Delta Math and Desmos assignments • Assessments from Envision Mathematics Teacher created quizzes and tests 	Test corrections are accepted if a student fails a test.	Materials are posted in OneNote.
Topic 6: Use Sampling to Draw Inferences	CC.2.4.7.B.1; CC.2.4.7.B.2; M07.D-S.1.1.1; M07.D-S.1.1.2; M07.D-S.2.1.1	12-14 days	<ul style="list-style-type: none"> • Populations and Samples • Draw Inferences from Data • Comparative Inferences about Populations 	<ul style="list-style-type: none"> • Homework quizzes 2-3x/wk • Delta Math and Desmos assignments • Assessments from Envision Mathematics Teacher created quizzes and tests 	<p>Intervention services will be offered to students who need extra help.</p> <p>Test corrections are accepted if a student fails a test.</p>	<p>enVision Mathematics resources and teacher-created materials.</p> <p>Materials are posted in OneNote.</p>
Topic 7: Probability	CC.2.4.7.B.3; M07.D-S.3.1.1; M07.D-S.3.2.1; M07.D-S.3.2.3	18-20 days	<ul style="list-style-type: none"> • Likelihood and Probability • Understand Theoretical and Experimental Probability Compound Events 	<ul style="list-style-type: none"> • Homework quizzes 2-3x/wk • Delta Math and Desmos assignments • Assessments from Envision Mathematics Teacher created quizzes and tests 	<p>Intervention services will be offered to students who need extra help.</p> <p>Test corrections are accepted if a student fails a test.</p>	<p>enVision Mathematics resources and teacher-created materials.</p> <p>Materials are posted in OneNote.</p>

Topic 8: Solve Problems Involving Geometry	CC.2.3.7.A.1; CC.2.3.7.A.2; M07.C-G.1.1.1-4; M07.C-G.2.1.1-2; M07.C-G.2.2.2	24-26 days	<ul style="list-style-type: none"> • Scale Drawings • Triangle Inequality Theorem • Angle Relationships (Supp/Comp) • Angles, Lines, and Transversals • Circles • Cross Sections of Solids Surface Area and Volume of Solids	<ul style="list-style-type: none"> • Homework quizzes 2-3x/wk • Delta Math and Desmos assignments • Assessments from Envision Mathematics Teacher created quizzes and tests	<p>Intervention services will be offered to students who need extra help.</p> <p>Test corrections are accepted if a student fails a test.</p>	<p>enVision Mathematics resources and teacher-created materials.</p> <p>Materials are posted in OneNote.</p>
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