

Scope & Sequence: St. Francis Xavier

7th Grade 7.1 - Accelerated Math

Main Resource: Reveal Math Accelerated

August/September	October	November	December	January
<p>Beginning of the Year! (5 Weeks) Introduction to Class, Expectations and Procedures.</p> <p>Module 1 - Proportional Relationships</p> <ul style="list-style-type: none"> • 1.1 Unit Rates Involving Ratios of Fractions 7.RP.A.1 • 1.2 Understand Proportional Relationships 7.RP.A.2 • 1.3 Tables of Proportional Relationships 7.RP.A.2, 7.RP.A.2.A, 7.RP.A.2.B, 7.RP.A.2.D • Review 1.1-1.3 & Quiz • 1.4 Graphs of Proportional Relationships 7.RP.A.2, 7.RP.A.2.B, 7.RP.A.2.D • 1.5 Equations of Proportional Relationships 	<p>Module 2 (4 Weeks) Solve Percent Problems</p> <ul style="list-style-type: none"> • 2.1 - Percent of Change 7.RP.A.3 • 2.2 - Tax 7.RP.A.3, 7.EE.A.2 • 2.3 - Tips and Markups 7.RP.A.3, 7.EE.A.2 • 2.4 - Discounts 7.RP.A.3, 7.EE.A.2 • Review 2.1-2.3 & Quiz • 2.5 - Interest 7.RP.A.3 • 2.6 - Commission & Fees 7.RP.A.3, 7.EE.A.2 • 2.7 - Percent Error 7.RP.A.3 • Module 2 Review • Module 2 Assessment • Module 3 Pretest 	<p>Module 3 (3 Weeks) Operations with Integers and Rational Numbers</p> <ul style="list-style-type: none"> • 3.1 - Add Integers 7.NS.A.1, 7.NS.A.1.A, 7.NS.A.1.B, 7.NS.A.1.D, 7.EE.B.3 • 3.2 - Subtract Integers 7.NS.A.1, 7.NS.A.1.C, 7.NS.A.1.D • 3.3 - Multiply Integers 7.NS.A.2, 7.NS.A.2.A, 7.NS.A.2.C, 7.EE.B.3 • 3.4 - Divide Integers 7.NS.A.2, 7.NS.A.2.B, 7.NS.A.2.C • Review 3.1-3.4 & Quiz • 3.5 - Apply Integer Operations 7.NS.A.1, 7.NS.A.1.D, 7.NS.A.2, 7.NS.A.2.C, 7.NS.A.3, 7.EE.B.3 • 3.6 - Rational Numbers 7.NS.A.2, 7.NS.A.2.B, 	<p>Wk. 1 -Module 4 (3 Weeks) Exponents and Scientific Notation</p> <ul style="list-style-type: none"> • 4.1 Power and Exponents 8.EE.A.1 • 4.2 Multiply and Divide Monomials 8.EE.A.1 • 4.3 Powers of Monomials 8.EE.A.1 • 4.4 Zero and Negative Exponents 8.EE.A.1 • Review 4.1-4.4 & Quiz • 4.5 Scientific Notation 8.EE.A.3, 8.EE.A.4 • 4.6 Compute with Scientific Notation 8.EE.A.3, 8.EE.A.4 • Module 4 Review • Module 4 Assessment • Module 5 Pretest 	<p>Module 5 (1 Week) Real Numbers</p> <ul style="list-style-type: none"> • 5.1 - Roots 8.EE.A.2 • 5.2 - Real Numbers 8.NS.A.1, 8.EE.A.2 • 5.3 - Estimate Irrational Numbers 8.NS.A.2 • 5.4 - Compare and Order Real Numbers 8.NS.A.1, 8.EE.A.2 • Review 5.1-5.4 & Quiz <p>Module 6 (2 Weeks) Algebraic Expressions</p> <ul style="list-style-type: none"> • 6.1 - Simplify Algebraic Expressions 7.EE.A.1, 7.EE.A.2 • 6.2 - Add Linear Expressions 7.EE.A.1 • 6.3 - Subtract Linear Expressions 7.EE.A.1 • Review 6.1-6.4 & Quiz 7.EE.A.1 • 6.4 - Factor Linear Expressions 7.EE.A.1 • 6.5 - Combine Operations with Linear Expressions

<p>7.RP.A.2, 7.RP.A.2.B, 7.RP.A.2.C</p> <ul style="list-style-type: none"> • 1.6 - Solve Problems involving Proportional Relationships. 7.RP.A.2, 7.RP.A.3 • Review Module 1 • Module 1 Assessment. • Module 2 Pretest 		<p>7.NS.A.2.D, 8.NS.A.1</p> <ul style="list-style-type: none"> • 3.7 - Add and Subtract Rational Numbers 7.NS.A.1, 7.NS.A.1.A, 7.NS.A.1.B, 7.NS.A.1.D,7.EE.B.3 • 3.8 Multiply & Divide Rational Numbers 7.NS.A.2, 7.NS.A.2.A, 7.NS.2.C, 7.NS.A.3 • 3.9 Apply Rational Number Operations. 7.NS.A.1, 7.NS.A.1.D, 7.NS.A.2, 7.NS.A.2.C, 7.NS.A.3 • Review Module 3 • Module 3 Assessment. • Module 4 Pretest 		<p>7.EE.A.1</p> <ul style="list-style-type: none"> • Review 6.1-6.5 • Module 6 Assessment
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February	March	April	May/June	
<p>Module 7 (3 Weeks) Solve Equations</p> <ul style="list-style-type: none"> 7.1 - Write and Solve One-Step Equations: $px+q=r$ 7.EE.B.4, 7.EE.B.4.A 7.2 - Write and Solve Two-Step Equations: $px+q=r$ 7.EE.B.4, 7.EE.B.4.A 7.3 - Write and Solve Equations with variables on Each Side 8.EE.C.7, 8.EE.C.7.B Review 7.1-7.3 and Quiz 7.4 - Write and Solve Multi-Step Equations 8.EE.C.7, 8.EE.C.7.B 7.5 - Determine the Number of Solutions 8.EE.C.7, 8.EE.C.7.A 7.6 - Write and Solve One-Step Addition and Subtraction Inequalities 7.EE.B.4, 7.EE.B.4.B Review 7.4-7.6 & Quiz 7.7 - Write and Solve One-Step Multiplicatio 	<p>Module 8 Cont. (1 Week)</p> <ul style="list-style-type: none"> 8.4 - Direct Variation 8.EE.B.6 8.5 - Slope-Intercept Form 8.EE.B.6 8.6 - Graph Linear Equations 8.EE.B.6 Review 8.1-8.6 Module 8 Assessment <p>Module 9 (2 Weeks) Probability</p> <ul style="list-style-type: none"> 9.1 - Find Likelihoods 7.SP.C.5 9.2 - Relative Frequency 7.SP.C.6, 7.SP.C.7, 7.SP.C.7.B 9.3 - Theoretical Probability of Simple Events 7.SP.C.7, 7.SP.C.7.A, 7.SP.C.6, 7.SP.C.7, 7.SP.C.7.A, 7.SP.C.7.B 9.4 - Compare Probabilities of Simple Events 7.SP.8, 7.SP.C.8.A, 7.SP.C.8.B Review 9.1 - 9.4 & Quiz 9.5 - Probability of Compound Events 7.SP.C.8, 7.SP.C.8.C 9.6 - Simulate Chance Events Review 9.1-9.6 	<p>Module 11 (2 Weeks) Geometric Figures</p> <ul style="list-style-type: none"> 11.1 - Vertical and Adjacent Angles 7.G.B.5 11.2 - Complementary and Supplementary Angles 7.G.B.5 11.3 - Angle Relationships and Parallel Lines 7.G.A.2 11.4 - Triangles 7.G.A.2 Review 11.1-11.4 & Quiz 11.5 - Angle Relationships and Triangles 8.G.A.5 11.6 - Scale Drawings 7.G.A.1 11.7 - Three-Dimensional Figures 7.G.A.3 Review 11.1-11.7 Module 11 Assessment <p>Module 12 (1 Week) Area, Surface Area, and Volume</p> <ul style="list-style-type: none"> 12.1 - Circumference of Circles 7.G.B.4 12.2 - Area of Circles 7.G.B.4 	<p>Module 12 Cont. (2 Weeks)</p> <ul style="list-style-type: none"> 12.4 - Volume of Prisms and Pyramids 7.G.B.6 12.5 - Surface Area of Prisms and Pyramids 7.G.B.6 12.6 - Volume of Cylinders 8.G.C.9 12.7 - Volume of Cones 8.G.C.9 Review 12.4 - 12.7 & Quiz 12.8 - Volume of Spheres 8.G.C.9 12.9 Volume and Surface Area of Composite Solids 7.G.B.6, 8.G.C.9 Review Module 12 Module 12 Assessment Algebra 1 Preparedness Assessment <p>Module 13 (2 Weeks) Transformations</p> <ul style="list-style-type: none"> 13.1 - Translations 8.G.A.1, 8.G.A.1.A, 8.G.A.3 13.2 - Reflections 	

<p>n and Division Inequalities 7.EE.B.4, 7.EE.B.4.B</p> <ul style="list-style-type: none"> 7.8 - Write and Solve One-Step Multiplication and Division Inequalities 7.EE.B.4, 7.EE.B.4.B Review 7.1-7.8 Module 7 Assessment <p>Module 8 (1 Week) Linear Relationships and Slope</p> <ul style="list-style-type: none"> 8.1 - Proportional Relationships and Slope 8.EE.B.5 8.2- Slope of a Line 8.EE.B.6 8.3 - Similar Triangles and Slope 8.EE.B.6 8.1-8.3 - Review 8.1-8.3 and Quiz 	<ul style="list-style-type: none"> Module 9 Assessment <p>Module 10 (1 Week) Sampling and Statistics</p> <ul style="list-style-type: none"> 10.1 - Biased and Unbiased Samples 7.SP.A.1, 7.SP.A.2 10.2 - Make Predictions 10.3 - Generate Multiple Samples 10.4 - Compare Two Populations Review Chapter 10 Assessment 	<ul style="list-style-type: none"> 12.3 - Area of Composite Figures 7.G.B.6 Review 12.1-12.3 & Quiz 	<p>8.G.A.1, 8.G.A.1.A, 8.G.A.3</p> <ul style="list-style-type: none"> 13.3 - Rotations 8.G.A.1, 8.G.A.1.A, 8.G.A.3 13.4 - Dilations 8.G.A.3 13.5 - Congruence and Transformations 8.G.A.1, 8.G.A.1.A, 8.G.A.1.B, 8.G.A.1.C, 8.G.A.2 13.6 - Similarity and Transformations 8.G.A.4, 8.G.A.5 13.7 - Indirect Measurement 8.G.A.4, 8.G.A.5 Review Module 13 Module 13 Assessment 	
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