Mr. Holman

Month	Cluster	Topic	Lessons	Assessments
August/September	Major: 7.NS.A	Topic 1 Integers and Rational Numbers Lessons 1-10 Mathematical Practices 1,2,3,4,5,6,7,8	 Understand Integers and Absolute Value (7.NS.A.1a) Understand Rational Numbers (7.NS.A.2d) Add Integers (7.NS.A.1b, 7.NS.A.1d) Subtract Integers (7.NS.A.1c, 7.NS.A.1d) Add and Subtract Rational Numbers (7.NS.A.1b, 7.NS.A.1c, 7.NS.A.1d) Multiply Integers (7.NS.A.2a, 7.NS.A.2c) Multiply Rational Numbers (7.NS.A.2a, 7.NS.A.2c) Divide Integers (7.NS.A.2b, 7.NS.A.2c) Divide Rational Numbers (7.NS.A.2b, 7.NS.A.2c) Solve Problems Involving Rational Numbers (7.NS.A.3, 7.EE.B.3) 	 Pre-Topic Assessment Lesson Quizzes Mid-Topic Checkpoint and Performance Task 3-Act Math Modeling: Win Some, Lose Some STEM Project - How Cold is Too Cold? Topic Assessment

Mr. Holman

Month	Cluster	Topic	Lessons	Assessments
October	Major: 8.EE.A 8.NS.A	Topic 2 Real Numbers Lessons 1-10 Mathematical Practices 1,2,3,4,5,6,7,8	 Rational Numbers as Decimals (8.NS.A.1) Understand Irrational Numbers (8.NS.A.1) Compare and Order Real Numbers Evaluate Square Roots and Cube Roots (8.EE.A.2) Solve Equations Using Square Roots and Cube Roots (8.EE.A.2) Use Properties of Integer Exponents (8.EE.A.1) More Properties of Exponents (8.EE.A.1) Use Powers of 10 to Estimate Quantities (8.EE.A.3) Understand Scientific Notation (8.EE.A.4) Operations with Numbers in Scientific Notation (8.EE.A.4) 	 Pre-Topic Assessment Lesson Quizzes Mid-Topic Checkpoint and Performance Task 3-Act Math Modeling: Hard-Working Organs STEM Project - Going Going Gone Topic Assessment

Mr. Holman

Month	Cluster	Topic	Lessons	Assessments
November	Major: 7.RP.A	Topic 3 Analyze and Use Proportional Relationships Lessons 1-6 Mathematical Practices 1,2,3,4,5,6,7,8	 Connect Ratios, Rates, and Unit Rates (7.RP.A.1, 7.RP.A.3) Determine Unit Rates with Ratios of Fractions (7.RP.A.1, 7.RP.A.3) Understand Proportional Relationships: Equivalent Ratios (7.RP.A.2a) Describe Proportional Relationships: Constant of Proportionality (7.RP.A.2b, 7.RP.A.2c) Graph Proportional Relationships (7.RP.A.2a, 7.RP.A.2b, 7.RP.A.2d) Apply Proportional Reasoning to Solve Problems (7.RP.A.2, 7.RP.A.3) 	 Pre-Topic Assessment Lesson Quizzes Mid-Topic Checkpoint and Performance Task 3-Act Math Modeling: Mixing It Up STEM Project - An Essential Resource Topic Assessment Cumulative/Benchmark Assessment (Topics 1-2)

Mr. Holman

Month	Cluster	Topic	Lessons	Assessments
November/ December	Major: 7.RP.A	Topic 4 Analyze and Solve Percent Problems Lessons 1-6 Mathematical Practices 1,2,3,4,6,7,8	 Analyze Percents of Numbers (7.RP.A.3) Connect Percent and Proportion (7.RP.A.2c, 7.RP.A.3) Represent and Use the Percent Equation (7.RP.A.2c, 7.RP.A.3) Solve Percent Change and Percent Error Problems (7.RP.A.3) Solve MArkup and Markdown Problems (7.RP.A.3) Solve Simple Interest Problems (7.RP.A.3) 	 Pre-Topic Assessment Lesson Quizzes Mid-Topic Checkpoint and Performance Task 3-Act Math Modeling: The Smart Shopper STEM Project - Analyze Activity Tracker Data Topic Assessment

Mr. Holman

Month	Cluster	Topic	Lessons	Assessments
January/February	Major: 7.EE.A	Topic 5 Generate Equivalent Expressions Lessons 1-8 Mathematical Practices 1,2,3,4,6,7,8	 Write and Evaluate Algebraic Expressions (7.EE.B.3, 7.EE.B.4a) Generate Equivalent Expressions (7.EE.A.1) Simplify Expressions (7.EE.A.1) Expand Expressions (7.EE.A.1, 7.EE.A.2) Factor Expressions (7.EE.A.1, 7.EE.A.2) Add Expressions (7.EE.A.1, 7.EE.A.2) Subtract Expressions (7.EE.A.1, 7.EE.A.2) Analyze Equivalent Expressions (7.EE.A.1, 7.EE.A.2) 	 Pre-Topic Assessment Lesson Quizzes Mid-Topic Checkpoint and Performance Task 3-Act Math Modeling: I've Got You Covered STEM Project - Analyze Activity Tracker Data (Cont.) Topic Assessment Cumulative/Benchmark Assessment (Topics 1-4)

Mr. Holman

Month	Cluster	Topic	Lessons	Assessments
February/March	Major: 7.EE.B	Topic 6 Solve Problems Using Equations and Inequalities Lessons 1-7 Mathematical Practices 1,2,3,4,5,6,7	 Write Two-Step Equations (7.EE.B.4) Solve Two-Step Equations (7.EE.B.3, 7.EE.B.4a) Solve Equations Using the Distributive Property (7.EE.B.3, 7.EE.B.4a) Solve Inequalities Using Addition or Subtraction (7.EE.B.4b) Solve Inequalities Using Multiplication or Division (7.EE.B.4b) Solve Two-Step Inequalities (7.EE.B.4b) Solve Multi-Step Inequalities (7.EE.B.4b) 	 Pre-Topic Assessment Lesson Quizzes Mid-Topic Checkpoint and Performance Task 3-Act Math Modeling: Digital Downloads STEM Project - Water is Life! Topic Assessment Cumulative/Benchmark Assessment (Topics 1-5)

Mr. Holman

Month	Cluster	Topic	Lessons	Assessments
March/April/May	Major: 8.EE.B 8.EE.C	Topic 7 Analyze and Solve Linear Equations Lessons 1-9 Mathematical Practices 1,2,3,4,6,7,8	 Collect Like Terms to Solve Equations (8.EE.C.7b) Solve Equations with Variables on Both Sides (8.EE.C.7b) Solve Multi-Step Equations (8.EE.C.7b) Equations with No Solutions and Infinitely Many Solutions (8.EE.C.7a) Compare Proportional Relationships (8.EE.B.5) Connect Proportional Relationships and Slope (8.EE.B.6) Analyze Linear Equations: y=mx (8.EE.B.6) Understand the y-intercept of a Line (8.EE.B.6) Linear Equations: y=mx+b (8.EE.B.6) 	 Pre-Topic Assessment Lesson Quizzes Mid-Topic Checkpoint and Performance Task 3-Act Math Modeling: Powering Down STEM Project - Modeling Population Growth Topic Assessment Cumulative/Benchmark Assessment (Topics 1-2) Designing a Paper Airplane with Graphing Equations

Mr. Holman

Month	Cluster	Topic	Lessons	Assessments
May	Supporting: 7.SP.A 7.SP.B 7.SP.C	Topic 8 Use Sampling to Draw Inferences About Populations Lessons 2 & 3 Topic 9 Probability Lessons 1-7 Mathematical Practices 1,2,3,4,5,6,7,8	 Draw Inferences from Data (7.SP.A.1, 7.SP.A.2, 7.RP.A.2c) Make Comparative Inferences About Populations (7.SP.B.3, 7.SP.B.4) Understand Likelihood and Probability (7.SP.C.5, 7.EE.B.3) Understand Theoretical Probability (7.SP.C.6, 7.RP.A.2c) Understand Experimental Probability (7.SP.C.6, 7.SP.C.7) Use Probability Models (7.SP.C.7a, 7.SP.C.7b, 7.EE.B.3) Determine Outcomes of Compound Events (7.SP.C.8a, 7.SP.C.8b) Find Probabilities of Compound Events (7.SP.C.8a, 7.EE.B.3) Simulate Compound Events (7.SP.C.8a, 7.EE.B.3) 	 Pre-Topic Assessment Lesson Quizzes Mid-Topic Checkpoint and Performance Task 3-Act Math Modeling: Photo Finish Topic Assessment

Mr. Holman

Month	Cluster	Topic	Lessons	Assessments
May	Major: 8.G.A	Topic 11 Congruence and Similarity Lessons 1-5 Mathematical Practices 1,2,3,4,5,6,7,8	 Analyze Translations (8.G.A.1a, 8.G.A.1b, 8.G.A.1c, 8.G.A.3) Analyze Reflections (8.G.A.1a, 8.G.A.1b, 8.G.A.1c, 8.G.A.3) Analyze Rotations (8.G.A.1a, 8.G.A.1b, 8.G.A.1c, 8.G.A.3) Compose Transformations (8.G.A.1a, 8.G.A.1a, 8.G.A.1b, 8.G.A.1b, 8.G.A.1c, 8.G.A.1c, 8.G.A.3) Understand Congruent Figures (8.G.A.2, 8.G.A.3) 	 Pre-Topic Assessment Lesson Quizzes 3-Act Math Modeling: Tricks of the Trade Topic Assessment (Lessons 1-5)