**Grade Math Curriculum Map**

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| **# Days** | **Unit Title/ Due Dates / Essential Questions** | **Core Content & CC Standards** | **Resources/Materials/ Assessments** |
| 60 Days | Unit 1: The Number System (Chapters 1-3)  Essential Questions:  How can properties of operations be used to solve real-world problems?; How can you recognize and represent proportional relationships in real-world problems?; How can percent show proportional relationships between quantities? | Core Content: Integers, rational and irrational numbers, proportions, percent  CC Standards:  7.NS.A -Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers  7.EE.B -Solve real-life and mathematical problems using numerical and algebraic expressions and equations  7.RP.A-Analyze proportional relationships and use them to solve real-world and mathematical problems | Resources: pearsonrealize.com, mathaids.com, textbook, math-antics videos, deltamath.com  Assessment: classwork, homework, tests, quizzes, performance task |
| 30 Days | Unit 2: Equations (Chapter 4 -5)  Essential Questions:  How can properties of operations help to generate equivalent expressions that can be used in solving problems?; How can you solve real-world and mathematical problems with numerical and algebraic equations and inequalities | Core Content: expressions, equations, and inequalities  CC standards:  7.EE.A-Use properties of operations to generate equivalent expressions  7.EE.B- Solve real-life and mathematical problems using numerical and algebraic expressions and equations | Resources: pearsonrealize.com, mathaids.com, textbook, math-antics videos, deltamath.com  Assessment: classwork, homework, tests, quizzes, performance task |
| 40 Days | Unit 3: Probability (Chapter 6-7)  Essential Questions:  How can sampling be used to draw inferences about one or more populations; How can you investigate chance processes and develop, use and evaluate probability models? | Core Content: Samples, population, and probability  CC Standards:  7.SP.A -Use random sampling to draw inferences about a population.  7.SP.B - Draw informal comparative inferences about two populations  7.SP.C -Investigate chance processes and develop, use, and evaluate probability models  7.RP.A- Analyze proportional relationships and use them to solve real-world and mathematical problems | Resources: pearsonrealize.com, mathaids.com, textbook, math-antics videos, deltamath.com  Assessment: classwork, homework, tests, quizzes, performance task |
| 35 Days | Unit 4: Geometry (Chapter 8)  Essential Question:  How can geometry be used to solve real-world problems? How can angles help us design and create in the real world? | Core Content: Geometry  CC Standards:  7. G.A -Draw, construct, and describe geometrical figures and describe the relationships between them  7.G.B -Solve real-life and mathematical problems involving angle measure, area, surface area, and volume  7.EE.B - Solve real-life and mathematical problems using numerical and algebraic expressions and equations | Resources: pearsonrealize.com, mathaids.com, textbook, math-antics videos, deltamath.com  Assessment: classwork, homework, tests, quizzes, performance task |