Fifth Grade Scope and Sequence

Unit	Essential Questions	Standards	Unit Time Frame
Place Value (Unit 1)	1. How does the placement of a digit affect the value of a number?	• 5.NBT.A. Understand the place value system.	3 Weeks
Estimation and Computation (Unit 2)	1. In what ways do the four operations affect numbers? 2. How can multiple strategies be helpful when solving mathematical problems?	• 5.NBT.A. Understand the place value system • 5.NBT.B. Perform operations with multi-digit whole numbers and with decimals to hundredths.	4 Weeks
Division (Unit 3)	1. In what ways do the four operations affect numbers? 2. How can multiple strategies be helpful when solving mathematical problems?	• 5.NBT.A. Understand the place value system. • 5.NBT.B. Perform operations with multi-digit whole numbers and with decimals to hundredths • 5.NF.B. Solve word problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers.	4 Weeks
Geometry Explorations (Unit 4)	1. How do the attributes of geometry help to more precisely describe objects?	• 5.MD.C. Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition. • 5.G.B. Classify two-dimensional figures into categories based on their properties.	3 Weeks
Fractions & Decimals (Unit 5)	1. How does the placement of a digit affect the value of a number? 2. Why is it necessary to represent quantities, both less than one and greater than one, in multiple ways?	• 5.NBT.A. Understand the place value system. • 5.NF.A. Use equivalent fractions as a strategy to add and subtract fractions. • 5.NF.B. Solve word problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers	4 Weeks
Using Data & Conversions (Unit 6)	1. How does the placement of a digit affect the value of a number? 2. How does “what” we measure determine the unit and tools we use to measure? 3. Why is it necessary to represent quantities both less than one and greater than one in multiple ways?	• 5.NBT.A. Understand the place value system. • 5.MD.A. Convert like measurement units within a given measurement system. • 5.MD.B. Represent and interpret data.	3 Weeks

Adding & Subtracting Fractions & Mixed Numbers (Unit 7)	1. Why is it necessary to represent quantities, both less than one and greater than one, in multiple ways?	• 5.NF.A. Use equivalent fractions as a strategy to add and subtract fractions.	3 Weeks
Multiplying & Dividing Fractions & Mixed Numbers (Unit 8)	1. Why is it necessary to represent quantities, both less than one and greater than one, in multiple ways?	• 5.NF.B. Apply and extend previous understandings of multiplication and division to multiply and divide fractions.	3 Weeks
Coordinates, Area, Volume, Capacity (Unit 9)	1. How does “what” we measure determine the unit and tools we use to measure? 2. How do the attributes of geometry help to more precisely describe objects?	• 5.NF.B. Apply and extend previous understandings of multiplication and division to multiply and divide fractions. • 5.MD.A. Convert like measurement units within a given measurement system. • 5.MD.C. Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition. • 5.G.A. Graph points on the coordinate plane to solve real-world and mathematical problems.	4 Weeks
Exponents & Order of Operations (Unit 10)	1. In what ways do the four operations affect numbers? 2. How can multiple strategies be helpful when solving mathematical problems? 3. How does the placement of a digit affect the value of a number?	• 5.OA.A. Write and interpret numerical expressions. • 5.NBT.A. Understand the place value system.	3 Weeks
Using Data, Algebra Concepts & Skills (Unit 11)	1. In what ways do the four operations affect numbers? 2. How can multiple strategies be helpful when solving mathematical problems?	• 5.OA.A. Write and interpret numerical expressions. • 5.OA.B. Analyze patterns and relationships. • 5.MD.A. Convert like measurement units within a given measurement system. • 5.G.A. Graph points on the coordinate plane to solve real-world and mathematical problems.	3 Weeks