

**GES Curriculum Map
Math
Grade 4**

Unit Title	Unit 1: Building a Math Community
Calendar Pacing	2 weeks
Unit Overview	This unit will support the implementation of math workshop by providing many opportunities for students to learn and engage in the routines and procedures that will use throughout the year during math instruction. Students will engage in tasks that promote reasoning and problem-solving. They will be able to build conceptual understanding by using and connecting mathematical representations. Students will engage concrete, representational, and abstract practice to develop place value understanding to 1,000,000.
Priority Standards/ Supporting Standards	4.NBT.A.1, 4.NBT.A.2 Mathematical Practices MP.1, MP.2, MP.3, MP.4, MP.5, MP.6, MP.7, MP.8
Unit Title	Unit 2: Understanding Place Value to Add and Subtract Within 1,000,000
Calendar Pacing	3 weeks
Unit Overview	In this unit, students will continue to develop their understanding of the relationship between the digits in place value positions of a multi-digit number (base ten). Students will be able to generalize place value understanding for multi-digit numbers and use place value understanding and properties of operations to perform multi-digit arithmetic.
Priority Standards/ Supporting Standards	4.NBT.A.1, 4.NBT.A.2, 4.NBT.A.3, 4.NBT.B.4 Mathematical Practices MP.1, MP.2, MP.3, MP.4, MP.5, MP.6, MP.7, MP.8
Unit Title	Unit 3: Multiplication and Division of Whole Numbers
Calendar Pacing	8 weeks
Unit Overview	In this unit, students will solve multi-step problems using all four operations. Students will use estimation to solve multiplication and division problems and to determine if their answer is reasonable. They will also use their understanding of multiplication and division concepts to find factors and multiples of numbers and identify prime and composite numbers. Students will also explore patterns in numbers and begin to generate their own mathematical patterns.

Priority Standards/ Supporting Standards	4.OA.A.1, 4.OA.A.2, 4.OA.A.3, 4.OA.B.4, 4.OA.C.5, 4.NBT.B.5, 4.NBT.B.6 Mathematical Practices MP.1, MP.2, MP.3, MP.4, MP.5, MP.6, MP.7, MP.8
Unit Title	Unit 4: Understanding Fractions
Calendar Pacing	9 weeks
Unit Overview	In this unit, students will extend their understanding of fraction equivalence and ordering from third grade. Students will use visual fraction models to explore how the number and size of the parts differ between two fractions even though they are equivalent. Students will recognize and generate equivalent fractions. Students will compare two fractions with different numerators and different denominators by creating common denominators or numerators, or by comparing them to a benchmark fractions. Students will use the symbols $>$, $=$, or $<$ to record their comparison and use visual fraction models to justify their conclusions. Students will also work with addition and subtraction of fractions and mixed numbers with like denominators and multiplication of a fraction by a whole number. Students apply and extend their understanding of these three operations with whole numbers to using these operations with fractions. Students will also apply and extend the work from grade 3 with unit fractions as calculate sums, differences, and products using fractions.
Priority Standards/ Supporting Standards	4.NF.A.1, 4.NF.A.2, 4.NF.B.3, 4.NF.B.3.A, 4.NF.B.3.B, 4.NF.B.3.C, 4.NF.B.3.D, 4.NF.B.4, 4.NF.B.4.A, C4.NF.B.4.B, 4.NF.B.4.C Mathematical Practices MP.1, MP.2, MP.3, MP.4, MP.5, MP.6, MP.7, MP.8
Unit Title	Unit 5: Geometric Measurement
Calendar Pacing	4 weeks
Unit Overview	In this unit students will develop and understanding of angles and the skills to measure angles. They will also draw and identify lines and angles, and classify shapes by properties of their lines and angles. Throughout the unit they will explore the concept of symmetry and classify shapes using their understanding of angles.
Priority Standards/ Supporting Standards	4.MD.C.5, 4.MD.C.5.A, 4.MD.C.5.B, 4.MD.C.6, .4.MD.C.7, .4.G.A.1, 4.G.A.2, 4.G.A.3 Mathematical Practices MP.1, MP.2, MP.3, MP.4, MP.5, MP.6, MP.7, MP.8
Unit Title	Unit 6: Measurement: Finding Equivalence in Units of Measure
Calendar Pacing	2 weeks
Unit Overview	In this unit students will build on their understanding of number and the four operations, geometry, and measurement by solving problems involving measurement conversions from a larger unit to a smaller unit. Students explore concrete experiences to develop an understanding of

	the metric system. Students will extend their understanding of area and perimeter to real life problems representing the area formula as a multiplication equation with an unknown factor.
Priority Standards/ Supporting Standards	4.MD.A.1, 4.MD.A.2, 4.MD.A.3 Mathematical Practices MP.1, MP.2, MP.3, MP.4, MP.5, MP.6, MP.7, MP.8

Approved by Griswold Board of Education February 24, 2020