LAKE FOREST
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Lake Forest Math Curriculum – First Grade

First grade will have a major focus on the following areas: (1) Representing and solving problems involving addition and subtraction; (2) Understanding and applying properties of operations and the relationship between addition and subtraction; (3) Adding and subtracting within 20; (4) Working with addition and subtraction equations; (5) Extending the counting sequence; (6) Understanding place value; (7) Understanding and using place value and properties of operations to add and subtract; (8) Measuring lengths indirectly and by stating length units.

Unit 1

Understanding Addition and Subtraction

- Solve addition problems by using the strategies: make a model, draw a picture or act it out. (1.OA.1)
- Use a variety of strategies to add and subtract to 10. (1.OA.3)
- Relate addition and subtraction to learn and understand facts to 10. (1.OA.4)
- Relate counting to adding and subtracting. (1.OA.5)
- Add to 10 using models, pictures, and numbers. (1.OA.8)
- Subtract from 10 using models, pictures and numbers. (1.OA.8)

Unit 2

Addition & Subtraction Facts to 10

- Solve problems by using the strategies: make a model, draw a picture or act it out. (1.OA.1)
- Use a variety of strategies to add and subtract to 10. (1.OA.3)
- Relate addition and subtraction to learn and understand facts to 10. (1.OA.4)
- Relate counting to adding and subtracting. (1.OA.5)
- Use a variety of strategies to add subtract within 20, demonstrating fluency for addition and subtraction within 10. (1.OA.6)
- Determine the unknown whole number in an addition or subtraction equation relating three whole numbers. (1.OA.8)

Unit 3

Addition to 20

- Solve addition problems by using the strategies: make a model, draw a picture or act it out. (1.OA.1)
- Add three numbers to solve word problems. (1.OA.2)
- Apply properties of operations as strategies to add. (1.OA.3)
- Use a variety of strategies to add to 20. (1.OA.6)

Unit 4

Subtraction from 20

- Solve subtraction problems by using the strategies: make a model, draw a picture or act it out. (1.OA.1)
- Apply properties of operations as strategies to subtract. (1.OA.3)
- Relate addition and subtraction to learn and understand facts to 20. (1.OA.4)
- Relate counting to adding and subtracting. (1.OA.5)
- Use a variety of strategies to subtract from 20. (1.OA.6)
- Add and subtract from 20 using models, pictures and numbers. (1.OA.8)

Unit 5

Using Data to Answer Questions

- Create graphs and tables. (1.MD.4)
- Use graphs and tables with up to three categories to ask and answer questions. (1.MD.4)
- Use addition and subtraction within 20 to solve word problems. (1.OA.A1)
- Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20. (1.OA.A2)

Unit 6

Extending the Counting Sequence

- Count to 120 by ones, fives and tens using different starting points. (1.NBT.1)
- Understand the relationship between counting and patterns. (1.NBT.2)
- 10 can be thought of as a bundle. (1.NBT.2.A)
- 11 – 19 are composed of a ten and one, two, three… or nine ones. (1.NBT.2.B)
- Decade numbers (10, 20, etc.) refer to one, two, three… or nine tens and 0 ones. (1.NBT.2.C)

Unit 7

Tens & Ones

- Understand and explain that two-digits of a two-digit number represent amounts of tens and ones. (1.NBT.2)
- Use a group of ten ones as a whole unit: a ten. (1.NBT.2)
- Understand that multiples of ten are groups of ten with no extra ones. (1.NBT.2)
- Understand that each digit in a number has a value. (1.NBT.2)

Unit 8

Comparing & Ordering Numbers to 100

- Count to 120 by ones, fives and tens using different starting points. (1.NBT.1)
- Use place value to model, order and compare numbers. (1.NBT.3)
- Use place value to mentally add and subtract numbers. (1.NBT.4)
- Find and explain how to mentally find 10 more or 10 less than a number. (1.NBT.5)

Unit 9

Use Models and Strategies to Add and Subtract Tens and Ones

- Use place value to add two-digit numbers up to 100. (1.NBT.4)
- Given a two-digit number, mentally find 10 more or 10 less than the number. (1.NBT.C.5)
- Use place value to subtract groups of ten from other groups of ten. (1.NBT.6)

Unit 10

Length & Time

- Compare and order objects according to length. (1.MD.1)
- Use a variety of objects to measure the length of objects. (1.MD.2)
- Tell time to the hour and half-hour using analog and digital clocks. (1.MD.3)

Unit 11

Geometry & Fractions of Shapes

- Use defining attributes to describe and create shapes. (1.G.1)
- Compose two and/or three dimensional shapes to create composite shapes. (1.G.2)
- Decompose shapes into fair shares. (1.G.3)