First Grade Mathematics Curriculum

ELO #1: Number Sense - Students will understand and use numbers up to 120.

ELO Standards

1.NS.A.1	Count to 120, starting at any number less than 120.
1.NS.A.2	Read and write numerals and represent a number of objects with a written numeral.
1.NS.A.3	Count backward from a given number between 20 and 1.
1.NS.A.4	Count by 5s to 100 starting at any multiple of five.

Supporting Standards

K.NS.A.1	Count to 100 by ones and tens.
K.NS.A.4	Read and write numerals and represent a number of objects from 0 to 20.

Instructional and Assessment Resources

Math in Focus   Chapters 1, 7, 12, 16

Everyday Calendar
Math in Focus   Chapter Assessments

ELO #2: Number Sense & Operations in Base Ten - Students will understand place value of two-digit dumbers and use place value to add and subtract.

ELO Standards

1.NBT.A.1	Understand that 10 can be thought of as a bundle of 10 ones – called a "ten".
1.NBT.A.2	Understand two-digit numbers are composed of ten (s) and ones (s).
1.NBT.A.3	Compare two two-digit numbers using the symbols >, = or <.
1.NBT.A.4	Count by 10s to 120 starting at any number.
1.NBT.B.5	Add within 100.
1.NBT.B.6	Calculate 10 more or 10 less than a given number mentally without having to count.
1.NBT.B.7	Add or subtract a multiple of 10 from another two-digit number, & justify the solution.

Supporting Standards

1.NS.A.1	Count to 120, starting at any number less than 120.
1.NS.A.3	Count backward from a given number between 20 and 1.
1.NS.A.4	Count by 5s to 100 starting at any multiple of five.

Instructional and Assessment Resources

Math in Focus   Sections 7.1, 7.2, 7.3, 12.1, 12.2, 12.3, 16.1, 16.2, 16.3

Everyday Calendar
Math in Focus   Assessments

ELO #3: Addition & Subtraction - Students will solve addition and subtraction problems.

ELO Standards

1.RA.A.1	Use addition and subtraction within 20 to solve problems.
1.RA.A.2	Solve problems that call for addition of three whole numbers whose sum is within 20.
1.RA.A.3	Develop the meaning of the equal sign and determine if equations involving addition and subtraction are true or false.
1.RA.A.4	Determine the unknown whole number in an addition or subtraction equation relating three whole numbers.
1.RA.B.5	Use properties as strategies to add and subtract.
1.RA.B.6	Demonstrate that subtraction can be solved as an unknown-addend problem.
1.RA.C.7	Add and subtract within 20.
1.RA.C.8	Demonstrate fluency with addition and subtraction within 10.

Supporting Standards

1.NBT.A.3	Compare two two-digit numbers using the symbols >, = or <.
1.NBT.B.5	Add within 100.
1.NBT.B.6	Calculate 10 more or 10 less than a given number mentally without having to count.
1.NBT.B.7	Add or subtract a multiple of 10 from another two-digit number, & justify the solution.

Instructional and Assessment Resources

Math in Focus	Chapters 2, 3, 4, 8, 13
Everyday Calendar	
Math in Focus	Chapter Assessments

ELO #4: Geometry - Students will reason with shapes and their attributes.

ELO Standards

1.GM.A.1	Distinguish between defining attributes versus non-defining attributes; build and draw shapes that possess defining attributes.
1.GM.A.2	Compose and decompose two- and three-dimensional shapes to build an understanding of part-whole relationships and the properties of the original and composite shapes.
1.GM.A.3	Recognize two- and three-dimensional shapes from different perspectives and orientations.
1.GM.A.4	Partition circles and rectangles into two or four equal shares, and describe the shares and the wholes verbally.

Supporting Standards

K.GM.A.1	Describe several measureable attributes of objects.
K.GM.A.2	Compare the measurable attributes of two objects.
K.GM.C.6	Identify shapes and describe objects in the environment using names of shapes, recognizing the name stays the same regardless of orientation or size.
K.GM.C.7	Describe the relative positions of objects in space.
K.GM.C.8	Identify and describe the attribute of shapes, and use the attributes to sort a collection of shapes.
K.GM.C.9	Draw or model simple two-dimensional shapes.
K.GM.C.10	Compose simple shapes to form larger shapes using manipulatives.

Instructional and Assessment Resources

Math in Focus   Chapter 5
Everyday Calendar
Math in Focus   Chapter Assessment

ELO #5: Measurement - Students will measure lengths in non-standard units and work with time and money.

ELO Standards

1.GM.B.5	Order three or more objects by length.
1.GM.B.6	Compare the lengths of two objects indirectly by using a third object.
1.GM.B.7	Demonstrate the ability to measure length or distance using objects.
1.GM.C.8	Tell and write time in hours and half-hours using analog and digital clocks.
1.GM.C.9	Know the value of a penny, nickel, dime and quarter.

Supporting Standards

1.NS.A.4	Count by 5s to 100 starting at any multiple of five.
1.NBT.A.3	Compare two two-digit numbers using the symbols >, = or <.
1.RA.A.3	Develop the meaning of the equal sign and determine if equations involving addition and subtraction are true or false.

Instructional and Assessment Resources

Math in Focus   Chapters 9, 15, 19

Everyday Calendar
Math in Focus   Chapter Assessments

ELO #6: Data - Students will represent and interpret data.

ELO Standards

1.DS.A.1	Collect, organize and represent data with up to three categories.
1.DS.A.2	Draw conclusions from object graphs, picture graphs, T-charts and tallies.

Supporting Standards

1.NS.A.2	Read and write numerals and represent a number of objects with a written numeral.
1.NBT.A.3	Compare two two-digit numbers using the symbols >, = or <.
1.RA.A.3	Develop the meaning of the equal sign and determine if equations involving addition and subtraction are true or false.

Instructional and Assessment Resources

Math in Focus   Chapter 11

Everyday Calendar
Math in Focus   Chapter Assessment

Cape Girardeau Public Schools 2017