



Lower Elementary Montessori Outcomes

Kansas City Missouri School District



Mathematics

Numbers and Operations

- Identify numerical place values through one million
- Solve addition and subtraction problems through a thousand without materials
- Know all addition, subtraction and multiplication facts through 10
- Solve multiplication problems with one digit multipliers without materials and two digit multipliers with use of materials
- Solve division problems with one digit divisors using materials
- Solve addition and subtraction problems with like denominator fractions
- Solve addition and subtraction problems using money represented by the dollar sign and decimal points
- Demonstrate an understanding of rounding and estimating to the nearest 100's
- Demonstrate an understanding of the communicative and associative properties of addition and multiplication
- Correctly use the greater than, less than and equal to symbols in number sentences
- Solve multi-step addition and subtraction word problems

Algebraic Relationships

- Given a number pattern student will be able to orally explain the pattern in use
- Solve equations with unknown variables (i.e. $5 + n = 10$)
- Use the vocabulary of parenthesis and variables when referring to number sentences

Measurement

- Identify the proper unit of linear, volume or mass measurement when presented with a measurement scenario (i.e. would you use an inch, yard or mile to measure)
- Measure length to the nearest inch and centimeter
- Read both a Fahrenheit and Celsius thermometer
- Tell time to the nearest minute on both analog and digital clocks

Geometry and Spatial Relationship

- Name five types of angles (whole, straight, right, obtuse and acute)
- Identify seven types of triangles
- Measure perimeter of regular and irregular polygons
- Demonstrate an understanding of symmetry, similarity, congruency and equivalency in two dimensional shapes

Data and Probability

- Interpret information from pictograph, bar and line graphs
- Name the main components of a graph including title, key, labels, x and y axis
- Create pictograph and bar graphs from given information and collected information

Reading

- Read fiction and nonfiction material with accuracy and fluency at a beginning grade 4 reading level
- Use comprehension strategies before, during and after reading (i.e. predicting, summarizing, sequencing, identifying story elements, cause and effect, compare and contrast, state main idea)
- Use reference resources (i.e. dictionary, encyclopedia, atlas, and internet websites)

Writing

- Use legible handwriting in written work
- Write a 4-5 related sentence paragraph including a topic sentence
- Write an organized and focused narrative story with specific details and elaboration
- Identify all parts of speech as represented by the grammar symbols
- Use appropriate ending punctuation in written sentences and capital letters for proper nouns and at the beginning of sentences
- Use simple subject /verb agreement when writing sentences
- Compose a friendly letter containing a date, greeting, letter body, closing and signature

Revised March 4, 2009