



Math Curriculum – Second Grade

Capital's Math curriculum maintains a balance between the development of math concepts, computational fluency, and problem-solving skills while working on meaningful and challenging tasks. In addition to traditional math concepts, other topics such as numbers and operations, geometry, algebra concepts, patterns and relationships, and measurement will be investigated.

The curriculum is aligned to the Common Core Standards (CCSS) and includes daily practice and problems, an emphasis on math discussions and vocabulary, math boards for visual drawing and representations of concepts, and lesson-based assessments and interventions to help meet individual student needs.

This year your child's curriculum will include:

Marking Period 1

- Expressing numbers to 1000 in terms of tens and ones
- Using place value to find the values of numbers and describe numbers in different ways
- Counting forward to and backward from 1000 by ones, tens, and hundreds
- Using patterns and strategies to find sums and differences for basic facts
- Developing fluency and recall of addition and subtraction facts to 18
- Solving problems by using the strategies *make a list* and *make a model*

Marking Period 2

- Counting to 200 by ones, fives and tens using different starting points
- Adding 2-digit numbers
- Estimating sums for 2-digit numbers
- Using place value to solve 2-digit subtraction problems with and without regrouping
- Using tally charts, pictographs, and bar graphs to solve problems
- Determining steps to take to solve multistep problems
- Developing fluency and recall of addition and subtraction facts to 18
- Solving problems by using the strategy *draw a diagram* and *make a list*

Marking Period 3

- Using strategies to add and subtract 3-digit numbers
- Modeling multiplication using skip counting, repeated addition, and arrays
- Comparing and ordering length
- Using standard and nonstandard units to measure length
- Estimating length in inches and centimeters
- Measuring length in inches, feet, yards, centimeters, and meters
- Understanding that 1 foot = 12 inches and 100 cm = 1m
- Fluently adding and subtracting facts to 18
- Solving problems by using the strategy *make a model* and *act it out*

Marking Period 4

- Estimating and measuring weight, mass and capacity
- Understanding that 1 pound = 16 ounces
- Counting money to \$1.00 and telling time to the minute
- Naming and describing three-dimensional shapes
- Identifying lines of symmetry
- Describing growing patterns
- Fluently adding and subtracting facts to 18
- Solving problems by using the strategy *act it out* and *find a pattern*

For more information about your child's Math curriculum, please contact your child's teacher or call the Curriculum Office at 857-4228.