

Martensdale-St. Marys Community School

Math Curriculum

Standard 1: Students can understand and apply a variety of math concepts.
Grade: 1st Grade

Benchmark; The student will;	Grade Level Objectives	Instructional Strategies	Assessments	Instructional Timeline
A. Students can understand and apply number properties and operations.	1.A.1.1 Count, represent, read, compare and order numbers.	Teacher Observation Guided Practice 100's Chart Teacher Modeling Textbook/Practice Workbook	Chapter Tests Teacher Observation Independent Work	
	1.A.1.2 Develop an understanding of whole number relationships, including grouping in tens and ones and apply place-value concepts.	Place Value Chart Teacher Observation Guided Practice Teacher Modeling Textbook/Practice Workbook	Chapter Tests Teacher Observation Independent Work	
	1.A.1.3 Understand fractional parts are equal shares or equal portions of a whole unit (a unit can be an object or a collection of things).	Teacher Observation Guided Practice Textbook/Practice Workbook Counters Fraction Bars	Chapter Tests Teacher Observation Independent Work	
B. Students can understand and apply concepts procedures of algebra.	1.B.1.1 Recognize, describe, create and extend repeating and growing patterns such as physical, geometric and numeric patterns and translate from one representation to another.	Teacher Observation Guided Practice Textbook/Practice Workbook	Chapter Tests Teacher Observation Independent Work	
	1.B.1.2 Sort, classify, and order objects by size, number and other properties. (T)	Teacher Observation Guided Practice Textbook/Practice Workbook	Chapter Tests Teacher Observation Independent	

		Environmental Objects for classification	Work	
	1.B.1.3 Understand equality as meaning "the same as" and use the = symbol appropriately.	Teacher Observation Guided Practice Textbook/Practice Workbook Math Games	Chapter Tests Teacher Observation Independent Work	
C. Students can understand and apply concepts of geometry.	1.C.1.1 Experience and recognize slides, flips, turns and symmetry to analyze mathematical situations.	Teacher Observation Guided Practice Textbook/Practice Workbook Counters Shapes Paint	Chapter Tests Teacher Observation Independent Work	
	1.C.1.2 Name and identify two and three-dimensional geometric shapes, including plane and solid figures.	Teacher Observation Guided Practice Textbook/Practice Workbook Playground Equipment Environmental Shapes Classroom Objects	Chapter Tests Teacher Observation Independent Work	
D. Students can understand and apply concepts of measurement.	1.D.1.1 Identify attributes that are measurable, such as length, weight, time and money and use these attributes to order objects and make direct comparisons. (MC) (C) (G)	Teacher Observation Guided Practice Textbook/Practice Workbook Manipulatives	Chapter Tests Teacher Observation Independent Work	
	1.D.1.2 Measure length using standard and non-standard units with comprehension.	Teacher Observation Guided Practice Textbook/Practice Workbook Manipulatives	Chapter Tests Teacher Observation Independent Work	

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**Standard 2: Students can understand and apply methods of estimation.
Grade: 1st Grade**

Benchmark: The students will:	Grade Level Objectives	Instructional Strategies	Assessments	Instructional Timeline
A. Students can understand and apply concepts and procedures of estimation and number sense.	2.A.1.1 Estimate, measure and compute measurable attributes while solving problems.	Teacher Observation Guided Practice Textbook/Practice Workbook	Chapter Tests Teacher Observation Independent Work	
	2.A.1.2 Estimate the answer to an addition or subtraction problem before computing, and determine whether the computed answer makes sense.	Teacher Observation Guided Practice Textbook/Practice Workbook	Chapter Tests Teacher Observation Independent Work	
	2.A.1.3 Estimate length using standard and non-standard units with comprehension.	Teacher Observation Guided Practice Textbook/Practice Workbook Manipulatives	Chapter Tests Teacher Observation Independent Work	

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**Standard 3: Students can solve a variety of math problems.
Grade: 1st Grade**

Benchmark: The student will:	Grade Level Objectives	Instructional Strategies	Assessments	Instructional Timeline
A. Students can understand and apply problem solving approaches and procedures.	3.A.1.1 Develop understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts.	Teacher Observation Guided Practice Textbook/Practice Workbook Doubles Rhymes Counting On 1 & 2 Counting Back Add 0 Subtract to Compare Number Line Fact Families	Chapter Tests Teacher Observation Independent Work	
	3.A.1.2 Develop fluency and quick recall of addition facts and related subtraction facts and fluency with multi-digit addition and subtraction.	Teacher Observation Guided Practice Textbook/Practice Workbook Frequent Timed Tests Flashcards Math Drill & Practice Games	Chapter Tests Teacher Observation Independent Work	

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**Standard 4: Students can interpret data presented in a variety of ways.
Grade: 1st Grade**

Benchmark: The student will:	Grade Level Objectives	Instructional Strategies	Assessments	Instructional Timeline
A. Students can use and interpret tables and graphs to locate and read information.	4.A.1.1 Collect, sort, organize, and represent data to ask and answer questions relevant to the K-2 environment.	Teacher Observation Guided Practice Textbook/Practice Workbook Picture Graphs Tally Table Bar Graph	Chapter Tests Teacher Observation Independent Work	
	4.A.1.2 Compare different representations of the same data using these types of graphs: bar graphs, frequency tables, line plots, and picture graphs.	Teacher Observation Guided Practice Textbook/Practice Workbook Picture Graphs Tally Table Bar Graph	Chapter Tests Teacher Observation Independent Work	
	4.A.1.3 Use information displayed on graphs to answer questions and make predictions, inferences and generalizations.	Teacher Observation Guided Practice Textbook/Practice Workbook Picture Graphs Tally Table Bar Graph Making Predictions	Chapter Tests Teacher Observation Independent Work	

		Making Inferences		
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