



SECOND GRADE MATH CURRICULUM

Unit 4 Overview

Math Units of Study

STAGE 1- DESIRED RESULTS

FOCUS STANDARDS

Module 12 Measurement & Data: **2.MD.B.5, 2.MD.C.7, 2.MD.C.8**

Module 13 Numbers and Operations in Base Ten: **2.NBT.A.1, 2.NBT.B.9, 2.OA.B.2**

Module 14 Shapes & Their Attributes: **2.G.A.3, 2.G.A.4**

ESSENTIAL QUESTIONS

Module 12: How can I use different measuring tools to solve problems?

Module 13: How can place value, properties of operations, and the relationship between addition and subtraction, and organization of data help me solve problems?

Module 14: How can my understanding of shapes and their attributes help me solve problems?

ENDURING UNDERSTANDINGS

- Students apply operations to solve problems involving units of measure including length and money.
- Students recognize a measure results from iteration and accumulation of the units on the measurement scale.
- Students recognize a variety of ways to decompose numbers to solve problems and are strategic
- Students recognize that place value can be used to add and subtract more efficiently.
- Students recognize properties of operations can be used to add and subtract more efficiently.
- Students recognize attributes of shapes .
- Students partition shapes fairly.
- Students understand measurement of time.

KNOWLEDGE/CONCEPTS

Student will know...

- Place Value/ Base 10
- Compose, Decompose
- Expanded Form, Standard Form, digits
- Notation
- Associative Property of Addition
- Commutative Property of Addition
- Even/Odd Numbers
- Symbols: +, -, =, >, <
- Equation, Expression, Number Sentence, Variable
- Units of Money and their value
- Zero Point, Distance traveled
- No Gaps, No Overlaps
- Unit Iteration
- Tools: ruler, yardstick, meter stick, measuring tape
- Units: inches, feet, centimeters, meters
- Clock, Analog, Digital, watch
- Pictograph, bar graph, table, key
- Data, Category, Categories
- Angles
- Attribute
- Partition/partitions/partitioning
- Unit fraction

SKILLS

During the unit, the students will practice and be able to...

- Compose and decompose numbers based on base ten in order to solve problems efficiently
- Add and subtract up to 1000 using place value and properties of operations
- Justify/Explain why a strategy worked using place value, the relationship between addition and subtraction, and/or properties of operations
- Write equations/ expressions
- Solve word problems with a context of length and money
- Tell time to nearest half hour
- Read graphs, interpret data, and solve problems dealing with data
- Identify different shapes and compare their attributes
- Partition circles and rectangles into fair shares
- Name unit fractions ($\frac{1}{2}$, $\frac{1}{4}$)
- Recognize that equal shares must come from the same size whole
- Recognize that equal shares of the same whole may not have the same shape, but do cover the same area

SUPPORTING STANDARDS

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| 2.MD.A.2 2.MD.B.3 2.MD.B.4 2.OA.A.1 | 2.MD.D.9 2.MD.D.10 2.NBT.A.2 2.G.A.1 | 2.NBT.A.3 2.NBT.A.4 2.NBT.B.8 2.G.A.2 |
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STAGE 2- ASSESSMENTS



SECOND GRADE MATH CURRICULUM

[2nd Grade Assessment Protocol](#)

ASSESSMENT 1: [FACTS FLUENCY ASSESSMENT \(Fact Fluency Assessment Schedule\)](#)

ASSESSMENT 2: **Second Grade Unit 3** [Join Start Unknown](#)

ASSESSMENT 3: **Second Grade Unit 3** [Place Value- Measurement Division](#)

STAGE 3- LEARNING ACTIVITIES

[DAILY NUMBER WORK](#)

[2nd PROBLEM PROGRESSION](#)

LINKS TO MODULES

[Module 12 Measurement & Data](#)

[Module 13 Numbers and Operations in Base Ten](#)

[Module 14: Ordering & Partitioning Shapes](#)

[CALENDAR VIEW FOR UNIT 4 MODULES 12-14](#)