Unit 2 Overview

STAGE 1– DESIRED RESULTS

FOCUS STANDARDS

<u>Module 4 Measurements of Length and Time:</u> **2.MD.B.6**, **2.MD.B.5**
<u>Module 5 Base Ten, Place Value, and Properties of Operations:</u> **2.NBT.A.3, 2.NBT.B.7, 2.NBT.B.8**
<u>Module 6 Understanding Data & Graphing:</u> **2.MD.D.10**
See Science Unit 2 Processes that Shape the Earth for other data and graphing activities.
<u>Module 7 Shapes and Their Attributes:</u> **2.G.A.1**

ESSENTIAL QUESTIONS

Module 4 : How can I use different measuring tools to solve problems?
Module 5: How can place value, properties of operations, and the relationship between addition and subtraction
            help me solve problems?
Module 6: How can I use data to help me solve problems?
Module 7: How can my understanding of shapes and their attributes help me solve problems?

ENDURING UNDERSTANDINGS

- Students recognize a variety of ways to decompose numbers to solve problems and choose the decomposition most suited to the problem.
- 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 a measure results from iteration and accumulation of the units on the measurement scale.
- Students understand that data can be organized in many ways.

KNOWLEDGE/CONCEPTS

- 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
- 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
- Hour, Minute, Second, half hour, a.m., p.m.
- Hour hand, Minute hand, Second hand
- Quarter after, quarter til, half past
- Pictograph, bar graph, table, key
- Data, Category, Categories
- Angles
- Faces
- Attribute
- Triangle, quadrilateral, pentagon, hexagon, cube

SKILLS

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

- Compose and decompose numbers based on base ten or friendly benchmark numbers in order to solve problems efficiently
- Add and subtract up to 500 using place value and properties of operations
- Justify/Explain why a strategy worked using place value or properties of operations
- Write equations that follow the structure of the problems
- Write equations or expressions to represent thinking
- Identify and apply different symbols used to represent operations
- Generate rules of measure and apply to real life situations
- Add and Subtract measurements within 100
- Solve word problems with a context of length
- Tell time to nearest half hour
- Generate data
- Read graphs, interpret data, and solve problems dealing with data
- Identify different shapes and compare their attributes

SUPPORTING STANDARDS

2.OA.A.1	2.OA.C.3
2.NBT.A.4	2.MD.A.2
2.MD.A.4	2.MD.C.7

Stage 2- ASSESSMENTS
2nd Grade Assessment Protocol
Assessment 1: FACTS FLUENCY ASSESSMENT Fact Fluency Assessment Schedule
Assessment 2: Assessment SCU
Assessment 3: Assessment Multiplication for Base 10

STAGE 3- LEARNING ACTIVITIES
2nd PROBLEM PROGRESSION

LINKS TO MODULES

Module 4 Measurements of Length and Time
Module 5 Base Ten, Place Value, and Properties of Operations
Module 6 Understanding Data & Graphing
Module 7 Shapes & Their Attributes

CALENDAR VIEW FOR UNIT 2 MODULES 4-7

Questions or additional information, contact Christi Schrauger at csnow@sdale.org