2nd grade Math Overview

unit 1:

Number & Place Value

- Building Units of 100
- Place Value & Equations
- Problem Solving in Base 10
- Using Place Value w/Addition
- Addition: Joining
- Subtraction: Separating
- Problem Solving
- Varied Practice
- Examining Errors

unit 2:

Linear Measurement

- Metric Length
- Building & Using a Meter Stick
- Metric Conversions
- Standard Length
- Building & Using a Standard Ruler
- Broken Rulers & Common Errors
- Problem Solving w/Linear Measurement
- Practice

unit 3:

Number & Operations: Part-Whole & Compare

- Counting Forward & Back
- Part-Whole Situations & Practice
- Writing Part-Whole Context
- Compare Situations & Practice
- Compare Situations: Iconic Models
- Compare Situations: Symbolic Models
- Compare Situations: Justification

unit 4:

Geometry: Shape & Space

- Triangle Construction
- Quadrilateral Construction
- Pentagons & Hexagons
- Shape Building w/Pattern Blocks
- Cubes
- Spatial Reasoning

unit 5:

Number & Operations: Join & Separate

- Skip Counting by 10
- Making the Next Unit w/Addition
- Making the Next Unit w/ Subtraction
- Addition Using Place Value
- Subtraction Using Place Value
- Models for Joining Situations
- Models for Separating Situations
- Fluency Practice
- Examining Errors

unit 6:

Measurement & Data

- Measuring in Standard Units
- Line Plots
- Building Line Plots Using Context
- Telling Time
- Solving Problems w/Money

unit 7:

Number

- Fluency Practice
- Compensation Strategy
- Review of Addition/Subtraction Strategies & Models
- Review & Problem Solving w/ Addition/Subtraction
- Problem Solving w/Data
- Examining Errors

unit 8:

Geometry

- Spatial Reasoning w/Square Tiles
- Odd or Even
- Triangles
- Quadrilaterals
- Pentagons & Hexagons
- Shape Building w/Cubes
- Spatial Reasoning
- Partitioning Shapes

2nd grade
Math Overview

unit 1: Number & Place Value	• Extend understanding of place value into hundreds – focusing on units and unitizing structures. (2.NBT.a) • Continue work from first grade on adding and subtracting within 100. (2.NBT.b, 2.OA.a)
unit 2: Linear Measurement	• Measuring with standard units – focusing on iterating and partitioning structural components. (2.MD.a) • Relate to addition and subtraction and number line. (2.MD.b, 2.OA.a, 2.NBT.b)
unit 3: Number: Operation Strategies with Part Whole and Compare Problems	• Continue developing addition & subtraction fluency within 100 using multiple strategies, e.g., decomposing by place value. (2.OA.a) • Continue to extend understanding of addition and subtraction within 500 using multiple models, e.g., enactive – iconic – symbolic representations. (2.NBT.b) • Assess students' understanding of mental strategies to assist with addition and subtraction fluency to 20 and provide support as needed. (2.OA.b)
unit 4: Geometry: Shape & Space	• Recognize and draw shapes based on attributes. (2.G.a.1) • Collect data and create a graph using geometric shapes as the categorical data. (2.MD.d.10)

2nd grade
Math Overview

unit 5: **Number & Operations: Join & Separate**	• Continue developing place value understanding within 1000 **(2.NBT.a)** and understanding of addition and subtraction models and methods within 1000. **(2.NBT.b)** • Continue to develop mental strategies to assist with fluency within 20. **(2.OA.a.b)**
unit 6: **Measurement & Data**	• Continue work with measuring standard units. **(2.MD.a)** • Collect measurement data and create line plots. **(2.MD.d.9)** • Solve addition and subtraction problems related to data. **(2.OA.a)** • Work with time and money. **(2.MD.c)**
unit 7: **Number**	• Extend understanding of place value into hundreds – focusing on units and unitizing structures. **(2.NBT.a)** • Continue work from first grade on adding and subtracting within 100. **(2.NBT.b, 2.OA.a)**
unit 8: **Geometry**	• Measuring with standard units – focusing on iterating and partitioning structural components. **(2.MD.a)** • Relate to addition and subtraction and number line. **(2.MD.b, 2.OA.a, 2.NBT.b)**