

# CURRICULUM OVERVIEW

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## SPARK Mathematics Grade 2



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**Unit 1: Adding and Subtracting in Word Problems (2.OA.1)****Assignments**

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|---|--|
| 1. Pre-Test: Adding and Subtracting in Word Problems (2.OA.1)*  | 3. Post-Test: Adding and Subtracting in Word Problems (2.OA.1) |
| 2. Using Adding and Subtracting to Solve Word Problems (2.OA.1) | 4. Adding and Subtracting within 100 (2.OA.1)*                 |

**Unit 2: Mental Math: Sums to 20 (2.OA.2)****Assignments**

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|--|--|
| 1. Pre-Test: Mental Math: Sums to 20 (2.OA.2)* | 3. Post-Test: Mental Math: Sums to 20 (2.OA.2) |
| 2. Making Easier Facts (2.OA.2)                | 4. Finding Unknown Numbers (2.OA.2)*           |

**Unit 3: Odd and Even Numbers (2.OA.3)****Assignments**

- |  |   |
|--|---|
| 1. Pre-Test: Odd and Even Numbers (2.OA.3)*      | 3. Post-Test: Odd and Even Numbers (2.OA.3) |
| 2. Pairing Objects, or Counting by Twos (2.OA.3) | 4. Writing an Equation for Twos (2.OA.3)*   |

**Unit 4: Addition and Rectangular Arrays (2.OA.4)****Assignments**

- |  |  |
|--|--|
| 1. Pre-Test: Addition and Rectangular Arrays (2.OA.4)* | 3. Post-Test: Addition and Rectangular Arrays (2.OA.4)   |
| 2. Adding Equal Groups to Find Sums (2.OA.4)           | 4. Identifying Arrays and Equations for Arrays (2.OA.4)* |

**Unit 5: Place Value to Hundreds (2.NBT.1)****Assignments**

- |   |   |
|---|---|
| 1. Pre-Test: Place Value to Hundreds (2.NBT.1)* | 3. Post-Test: Place Value to Hundreds (2.NBT.1) |
| 2. Understanding Three-digit Numbers (2.NBT.1)  | 4. Bundles of Tens (2.NBT.1)*                   |

**Unit 6: Counting Within 1000 (2.NBT.2)****Assignments**

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|--|--|
| 1. Pre-Test: Counting within 1000 (2.NBT.2)* | 3. Post-Test: Counting within 1000 (2.NBT.2)             |
| 2. Skip-counting (2.NBT.2)                   | 4. Skip-counting from a Number Other than One (2.NBT.2)* |

**Unit 7: Read and Write Numbers to 1000 (2.NBT.3)****Assignments**

- |  |  |
|--|--|
| 1. Pre-Test: Read and Write Numbers to 1000 (2.NBT.3)* | 3. Post-Test: Read and Write Numbers to 1000 (2.NBT.3)   |
| 2. Identifying Digits in Three-digit Numbers (2.NBT.3) | 4. Different Ways to Show Three-digit Numbers (2.NBT.3)* |

**Unit 8: Comparing 3-Digit Numbers (2.NBT.4)****Assignments**

- |   |   |
|---|---|
| 1. Pre-Test: Comparing 3-Digit Numbers (2.NBT.4)* | 3. Post-Test: Comparing 3-Digit Numbers (2.NBT.4) |
| 2. Greater and Lesser Numbers (2.NBT.4)           | 4. Compare by Using Symbols (2.NBT.4)*            |

Unit 9: Adding and Subtracting Within 100 (2.NBT.5)	
Assignments	
1. Pre-Test: Adding and Subtracting within 100 (2.NBT.5)*	3. Post-Test: Adding and Subtracting within 100 (2.NBT.5)
2. Regrouping to Add or Subtract (2.NBT.5)	4. Strategies for Adding or Subtracting within 100 (2.NBT.5)*

Unit 10: Adding 2-Digit Numbers (2.NBT.6)	
Assignments	
1. Pre-Test: Adding 2-Digit Numbers (2.NBT.6)*	3. Post-Test: Adding 2-Digit Numbers (2.NBT.6)
2. Strategies for Adding 2-Digit Numbers (2.NBT.6)	4. Adding Four 2-Digit Numbers (2.NBT.6)*

Unit 11: Adding and Subtracting Within 1000 (2.NBT.7)	
Assignments	
1. Pre-Test: Adding and Subtracting within 1000 (2.NBT.7)*	3. Post-Test: Adding and Subtracting within 1000 (2.NBT.7)
2. Models and Strategies for 3-Digit Number Operations (2.NBT.7)	4. Needing to Regroup for Addition and Subtraction (2.NBT.7)*

Unit 12: Mental Math: Adding and Subtracting 10 or 100 (2.NBT.8)	
Assignments	
1. Pre-Test: Mental Math: Adding and Subtracting 10 or 100 (2.NBT.8)*	3. Post-Test: Mental Math: Adding and Subtracting 10 or 100 (2.NBT.8)
2. Using Mental Math (2.NBT.8)	4. Mental Math Operations with a 3-Digit Number (2.NBT.8)*

Unit 13: Addition and Subtraction Strategies (2.NBT.9)	
Assignments	
1. Pre-Test: Addition and Subtraction Strategies (2.NBT.9)*	3. Post-Test: Addition and Subtraction Strategies (2.NBT.9)
2. Explaining Addition and Subtraction Strategies (2.NBT.9)	4. Place Values and Properties of Operations (2.NBT.9)*

Unit 14: Measurement: Length of an Object (2.MD.1)	
Assignments	
1. Pre-Test: Measurement: Length of an Object (2.MD.1)*	3. Post-Test: Measurement: Length of an Object (2.MD.1)
2. Measuring Length (2.MD.1)	4. Choosing Measuring Tools (2.MD.1)*

Unit 15: Measurement: Comparing Units of Measure (2.MD.2)	
Assignments	
1. Pre-Test: Measurement: Comparing Units of Measure (2.MD.2)*	3. Post-Test: Measurement: Comparing Units of Measure (2.MD.2)
2. Using Two Different Units of Measure (2.MD.2)	4. Relating Unit Size to Object Measurement (2.MD.2)*

**Unit 16: Measurement: Estimation (2.MD.3)****Assignments**

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|--|---|
| 1. Pre-Test: Measurement: Estimation (2.MD.3)*               | 3. Post-Test: Measurement: Estimation (2.MD.3)          |
| 2. Using Metrics and Inches-Feet to Estimate Length (2.MD.3) | 4. Identifying Reasonable Estimates of Length (2.MD.3)* |

**Unit 17: Measurement: Comparing Lengths (2.MD.4)****Assignments**

- |   |   |
|---|---|
| 1. Pre-Test: Measurement: Comparing Lengths (2.MD.4)* | 3. Post-Test: Measurement: Comparing Lengths (2.MD.4) |
| 2. Measuring Using Inches or Centimeters (2.MD.4)     | 4. Measuring to Find Difference in Length (2.MD.4)*   |

**Unit 18: Adding and Subtraction in Word Problems Involving Length (2.MD.5)****Assignments**

- |   |   |
|---|---|
| 1. Pre-Test: Adding and Subtraction in Word Problems Involving Length (2.MD.5)* | 3. Post-Test: Adding and Subtraction in Word Problems Involving Length (2.MD.5) |
| 2. Solving Word Problems Using Drawings and Equations (2.MD.5)                  | 4. Solving Word Problems Involving Length (2.MD.5)*                             |

**Unit 19: Representing Whole Numbers as Lengths (2.MD.6)****Assignments**

- |  |   |
|--|---|
| 1. Pre-Test: Representing Whole Numbers as Lengths (2.MD.6)* | 3. Post-Test: Representing Whole Numbers as Lengths (2.MD.6)  |
| 2. Identifying Numbers on a Number Line (2.MD.6)             | 4. Using a Number Line for Addition and Subtraction (2.MD.6)* |

**Unit 20: Telling Time: Analog and Digital Clocks (2.MD.7)****Assignments**

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|--|--|
| 1. Pre-Test: Telling Time: Analog and Digital Clocks (2.MD.7)* | 3. Post-Test: Telling Time: Analog and Digital Clocks (2.MD.7) |
| 2. Using A.M. and P.M. to Tell Time within 5 Minutes (2.MD.7)  | 4. Telling the Same Time in Different Ways (2.MD.7)*           |

**Unit 21: Solving Word Problems Involving Money (2.MD.8)****Assignments**

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|---|--|
| 1. Pre-Test: Solving Word Problems Involving Money (2.MD.8)*            | 3. Post-Test: Solving Word Problems Involving Money (2.MD.8) |
| 2. Recognizing and Using Dollar and Cent Symbols Appropriately (2.MD.8) | 4. Word Problems with Dollars and Cents (2.MD.8)*            |

**Unit 22: Measurement: Gathering and Showing Data (2.MD.9)****Assignments**

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|--|--|
| 1. Pre-Test: Measurement: Gathering and Showing Data (2.MD.9)* | 3. Post-Test: Measurement: Gathering and Showing Data (2.MD.9)         |
| 2. Reading and Answering Questions about a Line Plot (2.MD.9)  | 4. Showing Measurements of Objects to the Nearest Whole Unit (2.MD.9)* |

**Unit 23: Measurement: Using Picture and Bar Graphs (2.MD.10)****Assignments**

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|--|--|
| 1. Pre-Test: Measurement: Using Picture and Bar Graphs | 3. Post-Test: Measurement: Using Picture and Bar |
|--|--|

	(2.MD.10)* 2. Reading Picture and Bar Graphs (2.MD.10)	Graphs (2.MD.10) 4. Solving Problems Using Bar Graphs (2.MD.10)*
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Unit 24: Recognize and Draw Shapes (2.G.1)	
Assignments	
1. Pre-Test: Recognize and Draw Shapes (2.G.1)*	3. Post-Test: Recognize and Draw Shapes (2.G.1)
2. Shapes with Special Features (2.G.1)	4. Recognizing Faces on a Cube (2.G.1)*

Unit 25: Rectangles (2.G.2)	
Assignments	
1. Pre-Test: Rectangles (2.G.2)*	3. Post-Test: Rectangles (2.G.2)
2. Dividing a Rectangle into Squares (2.G.2)	4. Counting Squares in an Array (2.G.2)*

Unit 26: Dividing Circles and Rectangles into Equal Shares (2.G.3)	
Assignments	
1. Pre-Test: Dividing Circles and Rectangles into Equal Shares (2.G.3)*	3. Post-Test: Dividing Circles and Rectangles into Equal Shares (2.G.3)
2. Partitioning Circles and Rectangles (2.G.3)	4. Using Share Words (2.G.3)*

(\*) Indicates alternative assignment