

**Michigan Center School District**  
**Math Department Curriculum**  
**Grade Level/Course 2nd Grade Math**

**Power Standard: Most important skills defined within a grade level/course, expect proficiency (according to grade level ranges or 75%)**

**Sequence of Units**

- **Unit 1** Deeping Addition and Subtraction Fact Strategies
  
- **Power Standards**
  - 2.OA.B. Add and subtract within 20.
  - 2.NBT.A. Understand place value.
  - 2.NBT.B. Use place value understanding and properties of operations to add and subtract.
  
- **Vocabulary/Key Concepts**
  - addition (sum)
  - base ten
  - comparison (greater than, less than, equal to)
  - commutative property
  - compose
  - decompose
  - equation
  - fact family
  - fact strategies
  - inverse operation
  - part-part-whole
  - place value
  - skip count
  - subtraction (difference)
  
- **Unit 2** Units, Place Value, Money & Time
  - **Power Standard**
    - 2.NBT.B. Use place value understanding and properties of operations to add and subtract.
    - 2.MD.C. Work with time and money.

- 2.NBT.A. Understand place value.

- **Vocabulary/Key Concepts**

- analog clock
- digit
- digital clock
- dime
- half-hour
- hour
- hour hand
- minute hand
- nickel
- one-units
- quarter
- penny
- place value
- ten-units
- unit
- a.m.
- p.m.

- **Unit 3** Geometric shapes (2D and 3D shapes)

- **Power Standards**

- 2.G.A. Reason with shapes and their attributes.

- **Vocabulary/Key Concepts**

- 2-dimensional shapes
- 3-dimensional shapes
- attributes of shapes
- equal shares
- fourths
- halves
- nets
- partitioning shapes
- relationship between 2- and 3-dimensional figures
- thirds
- whole

- **Unit 4** Using strategies and algorithms to add and subtract.

- **Power Standards**

- 2.OA.A. Represent and solve problems involving addition and subtraction.
- 2.OA.B. Add and subtract within 20.

- 2.OA.C. Work with equal groups of objects to gain foundations for multiplication.
- 2.NBT.A. Understand place value.
- 2.NBT.B. Use place value understanding and properties of operations to add and subtract.

- **Vocabulary/Key Concepts**

- addend
- associative
- commutative
- compose/decompose
- difference
- digit
- equation
- inverse relationship
- solution strategy
- sum
- unknown

- **Unit 5 Estimating and measuring length.**

- **Power Standards**

- 2.MD.A. Measure and estimate lengths in standard units.
- 2.MD.B. Relate addition and subtraction to length.
- 2.MD.D. Represent and interpret data.

- **Vocabulary/Key Concepts**

- bar graph
- compare
- equations representing data
- estimate
- interpreting data
- line plot
- measure
- number line diagram
- picture graph
- representing data
- standard linear measures
- unit
- word problems

- **Unit 6 Sorting, Classifying, and Representing Data.**

- **Power Strands**

- 2.OA.A. Represent and solve problems involving addition and subtraction.

- 2.MD.A. Measure and estimate lengths in standard units.
- 2.MD.B. Relate addition and subtraction to length.
- 2.MD.D. Represent and interpret data.

- **Vocabulary/Key Concepts**

- category
- classify
- collect
- column
- combine
- compare
- data
- different
- draw conclusions
- interpret
- investigate
- least
- less than
- more than
- most
- organize
- precise
- question
- range
- represent
- same
- sort
- survey

- **Unit 7** Addition and Subtraction within a 1000.

- **Power Standards**

- 2.OA.A. Represent and solve problems involving addition and subtraction.
- 2.OA.B. Add and subtract within 20.
- 2.NBT.A. Understand place value.
- 2.NBT.B. Use place value understanding and properties of operations to add and subtract.

- **Vocabulary**

commutative property  
 compose  
 decompose  
 difference  
 digit

even  
inverse relationships  
odd  
partial sums  
regrouping  
solution strategies  
sum

*AmcCloughan*

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Signature of Current Grade Level/Course Representative

*Amelia Dalonghia*

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Signature of Prior Grade Level/Course Representative

*Brendana Wolcott*

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Signature of Next Grade Level/Course Representative