

Michigan Center School District Math Department Curriculum

Updated October 21, 2014

Grade Level/Course Third Grade- Math

Power Standard Definition- Most important skills defined within a grade level/course

Expected Outcome- Proficiency to 75% or grade level ranges

Sequence of Units

Unit 1 Adding and Subtracting Whole Numbers Using Place Value

- **Power Strands**

1. 3.NBT.1. Use place value understanding to round whole numbers to the nearest 10 or 100.
2. 3.NBT.2 Fluently add and subtract within 1000

- **Vocabulary/Key Concepts**

1. Addition
2. Comparison (greater than, less than, equal to)
3. Estimate
4. Expanded form
5. Standard form
6. Place value
7. Properties (commutative and associative properties of addition)
8. Round
9. Subtraction

- **Unit 2** Multiplication and Division

- **Power Strands**

1. 3.OA.1-4 Represent and solve problems involving multiplication and division
2. 3.OA.5 and 6 Understand properties of multiplication and the relationship between multiplication and division
3. 3.OA.7 Fluently Multiply and Divide within 100
4. 3.OA. 8 and 9 Solve problems involving the four operations, and identify and explain patterns in arithmeticTBD
5. 3.NBT.3 Multiply 1 digit whole numbers by multiples of 10

- **Vocabulary/Key Concepts**

1. Array
2. Factor
3. Equal groups

Michigan Center School District Math Department Curriculum

Updated October 21, 2014

4. Product
5. Multiply
6. Fact family
7. Divide
8. Dividend
9. Quotient
10. Multiples
11. Associative property
12. Distributive property
13. Equation
14. Operations

- **Unit 3** Fractions

- **Power Strands**

1. **3.NF.1-3 Develop understanding of fractions as numbers**

- **Vocabulary/Key Concepts**

1. comparing numbers
2. denominator
3. equivalent fractions
4. fraction
5. numerator
6. unit fraction
7. whole number

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- **Unit 4** Measurement

- **Power Strands**

1. **3.MD.1 and 2 Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.**

- **Vocabulary/Key Concepts**

1. capacity
2. gram
3. liquid volume
4. mass
5. analog clock
6. digital clock
7. metric unit

**Michigan Center School District
Math Department Curriculum**

Updated October 21, 2014

- **Unit 5** Represent and Interpret Data
 - **Power Strands**
 1. 3.MD.3 and 4 Represent and interpret data

 - **Vocabulary/Key Concepts**
 1. analyze
 2. data
 3. bar graph
 4. line plot
 5. key
 6. interpret
 7. pictograph
 8. picture graph
 9. scale
 10. survey
 11. tally chart

- **Unit 6** Perimeter and Area
 - **Power Strands**
 1. **3.MD5-8 Geometric measurement: understand concepts of area and relate area to multiplication and to addition. Recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.**

 - **Vocabulary/Key Concepts**
 1. area
 2. formula
 3. perimeter
 4. square unit

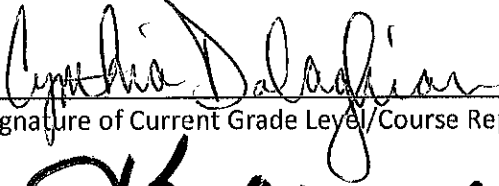
- **Unit 7** Geometry
 - **Power Strands**
 1. 3.G.1 and 2 Reason with shapes and their attributes

 - **Vocabulary/Key Concept**
 1. **Angle**
 2. **Endpoint**
 3. **Parallel**
 4. **Polygon**
 5. **Quadrilateral**
 6. **Ray**
 7. **Line**
 8. **Line segment**
 9. **Right angle**

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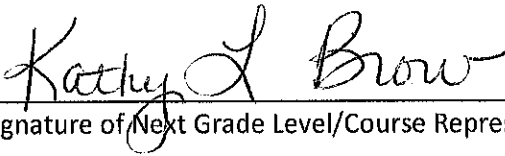
- 10. Rhombus
- 11. Trapezoid
- 12. Vertex



Signature of Current Grade Level/Course Representative



Signature of Prior Grade Level/Course Representative



Signature of Next Grade Level/Course Representative