

## **Math: Grade 3 Curriculum Overview**

The Third Grade Math Curriculum focuses on the Common Core Math Standards. We use Illustrative Math, a problem-based curriculum. Students will work on carefully solving sequenced problems and explaining their thinking. Students frequently collaborate with their classmates—they talk about math, listen to each other's ideas, justify their thinking, and critique the reasoning of others.

Skills to be developed throughout the course: (bulleted list of several skills that students will work on throughout the course)

- Mathematical Practices
  - 1. Make sense of problems and persevere in solving them.
  - 2. Reason abstractly and quantitatively.
  - 3. Construct viable arguments and critique the reasoning of others.
  - 4. Model with mathematics.
  - 5. Use appropriate tools strategically.
  - 6. Attend to precision.
  - 7. Look for and make use of structure.
  - 8. Look for and express regularity in repeated reasoning.
- Drawing Pictures
- Drawing Diagrams
- Guess and Check
- Students represent and interpret data on scaled bar graphs and picture graphs. Then, they are introduced to the concept of multiplication.
- Students learn about the concept of area and relate area to multiplication and addition.
- Students use their understanding of place value to round whole numbers and to add and subtract within 1,000. They also solve two-step problems.
- students make sense of division and learn to multiply and divide whole numbers within 100. They also use the four operations to represent and solve two-step word problems.
- Students develop an understanding of fractions as numbers. They represent fractions with diagrams and number lines and compare and find equivalent fractions.
- Students measure lengths in halves and fourths of an inch and represent measurement data on line plots. They learn about units for measuring weight, liquid volume, and time. They then use the four operations to solve problems involving measurement.
- Students reason about attributes (features) of shapes and learn about perimeter.
- Students apply what they have learned throughout the year to strengthen major concepts and fluency goals of the grade.

Units of Study:

- Multiplication
- Area and Multiplication
- Addition and Subtraction With 1,000
- Relating Multiplication to Division

- Fractions as Numbers
- Measuring Length, Time, Liquid Volume and Weight
- Two-dimensional Shapes and Perimeter
- Putting it All Together

The Learning Standards for this course are the 3rd Grade Math Priorities Standards.

- This course follows the new Illinois Learning Standards for Mathematics Incorporating the Common Core Standards. 3rd grade standards are highlighted on pages 11-14 of [this document](#).