## Mathematics

Course: Grade 3

In Grade 3, instructional time should focus on four critical areas: (1) developing understanding of multiplication and division and strategies for multiplication and division within 100; (2) developing understanding of fractions, especially unit fractions (fractions with numerator 1); (3) developing understanding of the structure of rectangular arrays and of area; and (4) describing and analyzing two-dimensional shapes.

New Jersey Student Learning Standards for Mathematics

| Unit 1 | 20 days | In Unit 1, an active and collaborative learning environment is established. Students recall how <br> to use a variety of math tools to solve problems, tell time to the nearest minute, and use <br> mathematical models to calculate elapsed time. This unit also lays the foundation for <br> developing multiplication and division strategies. |
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| Unit 2 |  |  | 20 days | In Unit 2, the students make sense of one- and two-step number stories involving all four |
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| arithmetic operations. They represent situations with diagrams, arrays, pictures, words, and |
| number models. Through creating, sharing, comparing, and interpreting representations, |
| students improve their problem solving strategies and further their understanding that problems |
| can be solved in more than one way. |$|$

In Unit 9, the students will further develop their understanding of multiplication and division as they apply basic fact knowledge to mentally solve number stories and multiply larger factors. Students look for patterns between the sizes of whole-number factors and products. Students interpret length-of-day graphs with data from cities in different parts of the world.

## Content Continuum

## Grade 3 Mathematics

Students develop an understanding of the meanings of multiplication and division of whole numbers through activities and problems involving equal-sized groups, arrays, and area models; multiplication is finding an unknown product, and division is finding an unknown factor in these situations.

Students recognize area as an attribute of two-dimensional regions. They measure the area of a shape by finding the total number of same size units of area required to cover the shape without gaps or overlaps, a square with sides of unit length being the standard unit for measuring area. nJsLs

> | KEY FEATURES OF REVISION |  |
| :--- | :--- |
| $>$ | Aligned to New Jersey |
|  | Student Learning |
|  | Standards |
| $>$ | Aligned to Understanding |
|  | By Design Framework |
| $>$ | Aligned to Webb's Depth |
|  | of Knowledge |
| $>$ | Problem Based |
|  | Assessments \& Rubrics |
| $>$ | Additional on-line support |
| and resources |  |

