

## Grade 2: CCSS Top 11 Content Tools

In Grade 2, instructional time should focus on four critical areas: (1) extending understanding of base-ten notation; (2) building fluency with addition and subtraction; (3) using standard units of measure; and (4) describing and analyzing shapes.

### Operations and Algebraic Thinking

- Represent and solve word problems involving addition and subtraction (any problem type; any unknown variable).
- Work with equal groups of objects to gain foundations for multiplication.

### Number and Operations in Base Ten

- Understand place value. Use Place Value Drawings, Expanded Form, Secret Code Cards & Pennies/Dimes to explain place value to 2-3 places.
- Use place value understanding, algorithms, and properties of operations to add 3 digit numbers with regrouping and subtract 2 digit numbers with regrouping.
- Memorize basic facts to  $10 + 10$  and related subtractions.

### Measurement and Data

- Use appropriate tools to measure and estimate lengths in standard units.
- ~~Relate addition and subtraction to calculating perimeter of shapes.~~
- Tell time to 5 minutes on analog clocks.
- Represent and interpret categorical data (bar graphs, tables, & simple scale (x2, x5, x10))

### Geometry

- Reason with shapes and their attributes (parallelism, informal types of angles, etc.)
- Partition circles & rectangles into 2-3-4 equal shares and use the language of halves, thirds and fourths.

### 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.