

Extended Content Standards Second Grade

Standards for Mathematical Practice

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.

The Alternate Achievement Standards for Students With the Most Significant Cognitive Disabilities Non-Regulatory Guidance states, "...materials should show a clear link to the content standards for the grade in which the student is enrolled, although the grade-level content may be reduced in complexity or modified to reflect pre-requisite skills. Throughout the Standards descriptors such as, describe, count, identify, etc., should be interpreted to mean that the students will be taught and tested according to their mode of communication.

Operations and Algebraic Thinking

Standard

Represent and solve problems.

Add and subtract within 20.

Work with equal groups.

NC.2.OA.3

Equally distribute even numbers of objects (up to 20) between two groups.

NC.2.OA.4	Use addition to find the total number of objects arranged within equal groups up to a total of 20.
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Number and Operations in Base Ten

Standard

Understand place value.

NC.2.NBT.1	Represent numbers up to 30 with sets of tens and ones using objects in columns or arrays.
NC.2.NBT.2	Use concrete and pictorial representations to count up to 30 items by ones.
NC.2.NBT.3	Count sets (1 to 30) of concrete and pictorial representations, then identify the corresponding numeral.
NC.2.NBT.4	Compare sets of numbers or objects to determine greater than, less than, or equal.

Use place value understanding and properties of operations.

NC.2.NBT.5	Model the meaning of the symbols for addition (+) and subtraction (-) by using manipulatives to compose and decompose numbers up to 20.
NC.2.NBT.6	Identify how many tens and ones are in numbers up to 30.
NC.2.NBT.7	Use objects, representations, and numbers (0–20) to add and subtract.

Measurement and Data

Standard

Measure and estimate lengths.

NC.2.MD.1	Measure the length of objects using non-standard units.
NC.2.MD.3	Order by length using non-standard units.

Relate addition and subtraction to length.

NC.2.MD.5	Increase or decrease length by adding or subtracting units.
NC.2.MD.6	Use a number line to add one more unit of length.

Build understanding of time and money.

NC.2.MD.7	Identify on a digital clock the hour that matches a routine activity.
NC.2.MD.8	Recognize that money has value.

Represent and interpret data.

NC.2.MD.10	Create picture graphs from collected measurement data.
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Geometry

Standard

Reason with shapes and their attributes.

NC.2.G.1

Indicate the names of shapes (circle, square, rectangle, and triangle).

NC.2.G.3

Use manipulatives to partition shapes into equal parts.