Extended Content Standards
Third 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 involving multiplication and division.	
NC.3.OA.1	Use repeated addition, bar models, and arrays to find a total product when there are repeated equal groups.

Understand properties of multiplication and the relationship between multiplication and division.	
Understand the properties of multiplication.	
Multiply and divide within 100.	
Solve two-step problems.	
NC.3.OA.8	Solve two-step word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding. Solve two-step word problems using addition, subtraction, and multiplication.
Explore patterns of numbers	
NC.3.OA.9	Identify arithmetic patterns.

Number and Operations in Base Ten	
Standard	
Use place value to add and subtract.	
NC.3.NBT.2	Use decade numbers (10, 20, 30) as benchmarks to demonstrate understanding of place value for numbers 0–30.
Generalize place value understanding for multi-digit numbers.	
NC.3.NBT.3	Count by tens using models such as objects, base ten blocks, ten-frames, or money.

Number and Operations – Fractions
Standard
Understand fractions as numbers.
3.NF.1   Differentiate a fractional part from a whole.

Measurement and Data
Standard
Solve problems involving measurement.
NC.3.MD.1   Tell time to the hour on a digital clock.
NC.3.MD.2   Measure the length of objects using standard units.
Represent and interpret data.
NC.3.MD.3   Use picture or bar graph data to answer questions about data.

Understand the concept of area.	
Understand the concept of perimeter.	
NC.3.MD.8	Recognize that perimeter is the distance around a shape.

Geometry
Standard
Reason with shapes and their attributes.

NC.3.G.1	Identify the attributes of two dimensional shapes (circle, square, rectangle, triangle, oval, rhombus).