



# BROWNELL TALBOT

## Kindergarten Prioritized Math Standards

The prioritized standards listed align with both the NCTM (National Council for Teachers of Mathematics) and the Nebraska State Standards. The NCTM also includes a set of Process Standards for grades preschool through 12 that highlight mathematical processes that students draw on to acquire and use their content knowledge (see the link on the next page).

<b>Number &amp; Operations</b>	
<b>Understand numbers, ways of representing numbers, relationships among numbers, and number systems</b>	<p>Count to 120 by ones, fives, and tens, starting at any given number.</p> <p>Read and write numerals within the range of 0 - 120.</p> <p>Decompose numbers less than or equal to 10 into pairs in more than one way, showing each decomposition with a model, drawing, or equation (e.g., <math>7=3+4</math> and <math>7=6+1</math>).</p>
<b>Algebra</b>	
<b>Understand patterns, relations, &amp; functions</b>	Sort, classify, and order objects by size, number, and other properties.
<b>Use mathematical models to represent and understand quantitative relationships</b>	<p>For any number from 1 to 9, find the number that makes 10 when added to the given number, showing the answer with a model, drawing, or equation.</p> <p>Compose and decompose numbers from 11 to 19 into tens, ones, and some more ones by drawing, model, or equation (e.g., <math>14=10+4</math>) to record each composition and decomposition.</p> <p>Solve real-life problems that involve addition and subtraction within 10 (e.g., by using objects, pictures, or symbols to represent the problem).</p>
<b>Geometry</b>	
<b>Analyze characteristics and properties of two and three dimensional geometric shapes and develop mathematical arguments about geometric relationships</b>	Identify shapes as two-dimensional ("flat") or three-dimensional ("solid")
<b>Measurement</b>	
<b>Understand measurable attributes of objects and the units, systems, and processes of measurement</b>	Identify time to the hour.
<b>Apply appropriate techniques, tools, and formulas to determine measurements</b>	Identify coin names and values of penny, nickel, dime, and quarter.