## PRE-K – 2ND GRADE PROGRESSIONS - MATHEMATICS OVERVIEW OF FOCUS AREAS

<table>
<thead>
<tr>
<th>At about 48 months</th>
<th>At around 60 months</th>
<th>By the end of Kindergarten</th>
<th>By the end of 1st Grade</th>
<th>By the end of 2nd Grade</th>
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</table>
| **Counting and Cardinality** | • Children understand numbers and quantities in their everyday environment.  
• Children understand number relationships and operations in their everyday environment. | • Know number names and the count sequence. (K.CC.1–3)  
• Count to tell the number of objects. (K.CC.4–5)  
• Compare numbers. (K.CC.6–7) | • Represent and solve problems involving addition and subtraction. (1.OA.1–2)  
• Understand and apply properties of operations and the relationship between addition and subtraction. (1.OA.3–4)  
• Add and subtract within 20. (1.OA.5–6)  
• Work with addition and subtraction equations. (1.OA.7–8) | • Represent and solve problems involving addition and subtraction. (2.OA.1)  
• Add and subtract within 20. (2.OA.2)  
• Work with equal groups of objects to gain foundations for multiplication. (2.OA.3–4) |
| **Operations and algebraic thinking** | • Children sort and classify objects in their everyday environment.  
• Children recognize/expand understanding of simple repeating patterns. | • Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from. (K.OA.1–5) | • Extend the counting sequence. (1.NBT.1)  
• Understand place value. (1.NBT.2–3)  
• Use place-value understanding and properties of operations to add and subtract. (1.NBT.4–6) | • Extend place value. (2.NBT.1–4)  
• Use place-value understanding and properties of operations to add and subtract. (2.NBT.5–9) |
| **Number and Operations in Base 10** | • Work with numbers 11–19 to gain foundations for place value. (K.NBT.1) | • Describe and compare measurable attributes. (K.MD.1–2)  
• Classify objects and count the number of objects in categories. (K.MD.3) | • Measure lengths indirectly and by iterating length units. (1.MD.1–2) | • Measure and estimate lengths in standard units. (2.MD.1–4)  
• Relate addition and subtraction to length. (2.MD.5–6) |
| **Measurement and Data** | • Children compare, order, and measure objects | • Identify and describe shapes. (K.G.1–3)  
• Analyze, compare, create, and compose shapes. (K.G.4–6) | • Reason with shapes and their attributes. (1.G.1–3) | • Reason with shapes and their attributes. (2.G.1–3) |
| **Geometry (All supporting clusters)** | | | | |

*ADDED BY CALIFORNIA TO THE CCSS*