



LOS ANGELES UNIFIED SCHOOL DISTRICT –OFFICE OF EARLY LANGUAGE AND LITERACY

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

| | At about 48 months | At around 60 months | By the end of Kindergarten | By the end of 1st Grade | By the end of 2nd Grade |
|------------------------------------|---|---------------------|--|--|--|
| Counting and Cardinality | <ul style="list-style-type: none"> Children understand numbers and quantities in their everyday environment. Children understand number relationships and operations in their everyday environment. | | <ul style="list-style-type: none"> 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) | | |
| Operations and algebraic thinking | <ul style="list-style-type: none"> Children sort and classify objects in their everyday environment. Children recognize/expand understanding of simple repeating patterns. | | <ul style="list-style-type: none"> Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from. (K.OA.1–5) | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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) |
| Number and Operations in Base 10 | | | <ul style="list-style-type: none"> Work with numbers 11–19 to gain foundations for place value. (K.NBT.1) | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> Understand place value. (2.NBT.1–4) Use place-value understanding and properties of operations to add and subtract. (2.NBT.5–9) |
| Measurement and Data | <ul style="list-style-type: none"> Children compare, order, and measure objects | | <ul style="list-style-type: none"> Describe and compare measurable attributes. (K.MD.1–2) Classify objects and count the number of objects in categories. (K.MD.3) | <ul style="list-style-type: none"> Measure lengths indirectly and by iterating length units. (1.MD.1–2) | <ul style="list-style-type: none"> Measure and estimate lengths in standard units. (2.MD.1–4) Relate addition and subtraction to length. (2.MD.5–6) |
| Geometry (All supporting clusters) | <ul style="list-style-type: none"> Children identify and use shapes. Identify and describe shapes. Children understand positions in space | | <ul style="list-style-type: none"> Identify and describe shapes. (K.G.1–3) Analyze, compare, create, and compose shapes. (K.G.4–6) | <ul style="list-style-type: none"> Reason with shapes and their attributes. (1.G.1–3) | <ul style="list-style-type: none"> Reason with shapes and their attributes. (2.G.1–3) |