

Kindergarten Math Framework

Not all of the content is emphasized equally in the standards. Some clusters require greater emphasis than the others based on the depth of the ideas, the time that they take to master, and/or their importance to future mathematics or the demands of college and career readiness. In addition, an intense focus on the most critical materials at each grade allows depth in learning which is carried out through the Standards for Mathematical Practice.

The following table identifies the major clusters = ■ , supporting clusters = ■ , and additional clusters = ■ and the order in which they should be covered in the scope of the school year. Major clusters are those requiring more time and emphasis in the classroom. Students should demonstrate mastery in these areas. Resource tools have been identified as well as math vocabulary by trimester. It's essential that students learn the ***concepts***, develop ***fluency*** in that concept, and that students can ***apply*** the concept in problem solving.

	Domain/Cluster Emphasis	Tools	Vocabulary
1 st Trimester	Counting and Cardinality <ul style="list-style-type: none"> ■ Know number names and the count sequence. ■ Cont to tell the number of objects ■ Compare numbers 	EnVision Topics – 1, 2, 3, 4, 5, and 6 Elementary Share File Online Resources Other	zero – one hundred greater, more, less, fewer, equal, same amount
2 nd Trimester	Operations and Algebraic Thinking <ul style="list-style-type: none"> ■ Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from Number and Operations in Base Ten <ul style="list-style-type: none"> ■ Work with numbers 11-19 to gain foundations for place value 	EnVision Topics – 7, 8, 9, 10, and 11 Elementary Share File Online Resources Other	join, add, separate, subtract, and, same amount as, equal, less, more, one, two.....thirteen, fourteen,.....nineteen, leftovers
3 rd Trimester	Measurement and Data <ul style="list-style-type: none"> ■ Describe and compare measureable attributes ■ Classify objects and count the number of objects in categories Geometry <ul style="list-style-type: none"> ■ Identify and describe shapes ■ Analyze, compare, create, and compose shapes 	EnVision Topics – 12, 13, 14, 15, and 16 Elementary Share File Online Resources Other	length, weight, heavy, long, more of, less of, longer, taller, shorter, square, circle, triangle, rectangle, hexagon, cube, cone, cylinder, sphere, flat, solid, side, corner, angle, edge, face, positional vocabulary (i.e. above, below, beside, in front of, behind, next to, same, different, etc.)