

## 2<sup>nd</sup> Grade 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 <sup>st</sup> Trimester	<p><b>Operations and Algebraic Thinking</b></p> <ul style="list-style-type: none"> <li>■ Represent and solve problems involving addition and subtraction</li> <li>■ Add and subtract within 20</li> <li>■ Work with equal groups of objects to gain foundations for multiplication</li> </ul>	EnVision Topics – 1, 2, 3, and 4 Elementary Share File Online Resources Other	add, subtract, more, less, equal, equation, putting together, taking from, taking apart, sum, odd, even, row, column, rectangular array
2 <sup>nd</sup> Trimester	<p><b>Number and Operations in Base Ten</b></p> <ul style="list-style-type: none"> <li>■ Understand place value</li> <li>■ Use place value understanding and properties of operations to add and subtract</li> </ul> <p>**Ongoing Fact Fluency and Problem Solving from Trimester 1</p>	EnVision Topics – 5, 6, 7, 8, 9, 10, and 11 Elementary Share File Online Resources Other	hundreds, tens, ones, skip count, base-ten, number names to 1000, greater than, less than, equal to, compare, compose, decomposes, digit, ten more, ten less, one hundred more, one hundred less
3 <sup>rd</sup> Trimester	<p><b>Measurement and Data</b></p> <ul style="list-style-type: none"> <li>■ Measure and estimate lengths in standards units</li> <li>■ Relate addition and subtraction to length</li> <li>■ Work with time and money</li> <li>■ Represent and interpret data</li> </ul> <p><b>Geometry</b></p> <ul style="list-style-type: none"> <li>■ Reason with shapes and their attributes</li> </ul> <p>**Ongoing Fact Fluency and Problem Solving from Trimester 1</p>	EnVision Topics – 12, 13, 14, 15, and 16 Elementary Share File Online Resources Other	about, longer, shorter, inch, foot, centimeter, meter, ruler, yardstick, meter stick, estimate, number line, clocks, hand, hour hand, minute hand, a.m., p.m., half hour, quarter 'til, quarter after, quarter, dime, nickel, dollar, cent, heads, tails