KS Grade Level FOCUS for Sixth Grade

Standards should provide *focus*, *coherence*, and *rigor*. This document shows educators the concepts and topics that should be the _focus_ for their grade level. By emphasizing some clusters of mathematics over others, the _coherence_ between grades will assist students in building key ideas and essential concepts that are revisited at more depth in later grades.

Though some standards have a greater emphasis than others, they cannot be ignored. These standards should support the major areas of focus for each grade level and provide a foundation for future topics.

To assist with curriculum mapping and the curriculum adoption process, a set of Grade Level Focus worksheets http://bit.ly/GLF-Worksheet have been produced for districts and schools to use.

Major, Supporting, and Additional Clusters for Sixth Grade

Mathematics is best when focusing at the cluster level instead of at the standard level. This structure provides better coherence and connectivity. The major work of the grade level should focus on the major clusters. The supporting and additional clusters should support the major clusters and provide foundational ideas for future mathematics.

▶ **Major Clusters**   ◆ **Supporting Clusters**   ● **Additional Clusters**

6.RP.A	▶	Understand ratio concepts and use ratio reasoning to solve problems.
6.NS.A	▶	Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
6.NS.B	●	Compute fluently with multi-digit numbers and find common factors and multiples.
6.NS.C	▶	Apply and extend previous understandings of numbers to the system of rational numbers.
6.EE.A	▶	Apply and extend previous understandings of arithmetic to algebraic expressions.
6.EE.B	▶	Reason about and solve one-variable equations and inequalities.
6.EE.C	▶	Represent and analyze quantitative relationships between dependent and independent variables.
6.G.A	◆	Solve real-world and mathematical problems involving area, surface area, and volume.
6.SP.A	●	Develop concepts of statistical measures of center and variability, and an informal understanding of outlier.
6.SP.B	●	Summarize and describe distributions.

Required Fluencies (flexibly, efficiently, and accurately) for Sixth Grade:

6.NS.B.2	▶	Multi-digit division.
6.NS.B.3	▶	Multi-digit decimal operations.