Cobb County School District

6th Grade Mathematics Teaching & Learning Framework

Semester 1				Semester 2				
Unit 1 4 weeks	**Unit 2** 6 weeks	**Unit 3** 4 weeks	**Unit 4** 4 weeks	**Unit 5** 5 weeks	**Unit 6** 3 weeks	**Unit 7** 3 weeks	**Unit 8** 2 weeks	**Unit 9** 3 weeks
Exploring Real-life Phenomena through Statistics **6.NR.2**	**Making Relevant Connections through Number System Fluency** **6.NR.1** **6.NR.2**	**Investigating Rate, Ratio and Proportional Reasoning** **6.NR.4**	**Building Conceptual Understanding of Expressions** **6.PAR.6**	**Exploring Real-life Phenomena through One-Step Equations and Inequalities** **6.PAR.7**	**Exploring Area and Volume** **6.GSR.5**	**Rational Exploration: Numbers and their Opposites** **6.NR.2** **6.NR.3**	**Graphing Rational Numbers** **6.PAR.8**	**Culminating Capstone Unit**
6.NR.2.1 (Mean) **6.NR.2.2** (Data Display) **6.NR.2.3** (Distribution) **6.NR.2.4** (Measures of center & variability) **6.NR.2.5** (Shape of data) **6.NR.2.6** (Impact of data points)	**6.PAR.6.2** (GCF & LCM) **6.NR.1.1** (+/- Fractions) **6.NR.1.2** (x/÷ Fractions) **6.NR.1.3** (Operations with decimals) **6.NR.2.1** (Mean) **6.NR.2.3** (Distribution) **6.NR.2.4** (Measures of center & variability)	**6.NR.4.1** (Ratios) **6.NR.4.2** (Tables, graph ratios) **6.NR.4.3** (Proportions) **6.NR.4.4** (Rates/Unit Rates) **6.NR.4.5** (Unit Rates with pricing/constant speed) **6.NR.4.6** (Percents) **6.NR.4.7** (Measurement conversions)	**6.PAR.6.1** (Exponent expressions) **6.PAR.6.2** (GCF & LCM) **6.PAR.6.3** (Expressions) **6.PAR.6.4** (Evaluate expressions) **6.PAR.6.5** (Equivalent expressions)	**6.PAR.7.1** (Solve 1-step equations and inequalities by substitution) **6.PAR.7.2** (Write 1-step equations and inequalities) **6.PAR.7.3** (Solve equations with non-negative rational numbers) **6.PAR.7.4** (Recognize & generate inequalities and represent solutions on number line)	**6.GSR.5.1** (Explore & find area of geometric figures by composing / decomposing) **6.GSR.5.2** (Find surface area of 3D figures using nets) **6.GSR.5.3** (Calculate volume of right rectangular prisms with fractional edges using V=bh)	**6.NR.3.1** (Identify & compare integers) **6.NR.3.2** (Order & plot integers) **6.NR.3.3** (Opposites) **6.NR.3.4** (Statements of order / compare rational numbers) **6.NR.3.5** (Absolute value) **6.NR.3.6** (Comparison of absolute value vs. statements of order) **6.NR.2.3** (Distribution) **6.NR.2.4** (MAD)	**6.PAR.8.1** (Locate & position rational #s on horizontal & vertical # lines & coordinate plane) **6.PAR.8.2** (Coordinates & quadrants) **6.PAR.8.3** (Solve by graphing on coordinate plane / use Ab Value) **6.PAR.8.4** (Draw polygons on coordinate plane)	**All standards.**

Units contain tasks that depend upon the concepts addressed in earlier units. Mathematical standards are interwoven and should be addressed throughout the year in as many different units and tasks as possible in order to stress the natural connections that exist among mathematical topics.

The Framework for Statistical Reasoning, Mathematical Modeling Framework, and the K-12 Mathematical Practices should be taught throughout the units.

Key for Course Standards: NR: Numerical Reasoning, PAR: Patterning & Algebraic Reasoning, GSR: Geometric & Spatial Reasoning

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