Cobb County School District

COBB MATH

7th Grade Mathematics Teaching & Learning Framework

Quarter 1		Quarter 2	Quarter 3		Quarter 4	
Unit 1 6 weeks	**Unit 2** 6 weeks	**Unit 3** 6 weeks	**Unit 4** 5 weeks	**Unit 5** 4 weeks	**Unit 6** 4 weeks	**Unit 7** 5 weeks
Operations with Rational Numbers	**Expressions & Equations**	**Ratios & Proportional Relationships**	**Geometry**	**Inferences**	**Probability**	**Review and Extend**
MGSE7.NS.1 (Add & subtract rationals) **MGSE7.NS.1a** (Additive inverses) **MGSE7.NS.1b** (p+q as a distance) **MGSE7.NS.1c** (subtracting rationals) **MGSE7.NS.1d** (Properties with rationals) **MGSE7.NS.2** (Multiply & divide rationals) **MGSE7.NS.2a** (Distributive property) **MGSE7.NS.2b** (Dividing rationals) **MGSE7.NS.2c** (Properties with rationals) **MGSE7.NS.2d** (Convert a rational to a decimal) **MGSE7.NS.3** (Solve real-world problems)	**MGSE7.EE.1** (Properties of operations) **MGSE7.EE.2** (Equivalent expressions) **MGSE7.EE.3** (Solve multi-step problems) **MGSE7.EE.4** (Construct equations & inequalities) **MGSE7.EE.4a** (Solve 2-step equations) **MGSE7.EE.4b** (Solve 2-step inequalities) **MGSE7.EE.4c** (Solve 1-step equations)	**MGSE7.RP.1** (Unit rates) **MGSE7.RP.2** (Proportional relationships) **MGSE7.RP.2a** (Table & graphing) **MGSE7.RP.2b** (Constant of proportionality) **MGSE7.RP.2c** (Equations) **MGSE7.RP.2d** (Coordinates) **MGSE7.RP.3** (Percent problems) **MGSE7.G.1** (Scale drawings)	**MGSE7.G.2** (Geometric shapes) **MGSE7.G.3** (Cross-sections) **MGSE7.G.4** (Area & circumference) **MGSE7.G.5** (Angles) **MGSE7.G.6** (Area, volume & surface area)	**MGSE7.SP.1** (Sampling & population) **MGSE7.SP.2** (Draw inferences) **MGSE7.SP.3** (Compare data) **MGSE7.SP.4** (Draw inferences)	**MGSE7.SP.5** (Probability of an event) **MGSE7.SP.6** (Approximate probability) **MGSE7.SP.7** (Probability models with experimental & theoretical) **MGSE7.SP.7a** (Uniform models) **MGSE7.SP.7b** (Different models) **MGSE7.SP.8a** (Compound events) **MGSE7.SP.8b** (Sample space methods) **MGSE7.SP.8c** (Simulations)	**Review:** All standards by differentiating for student needs **Extend:** **MGSE8.EE.7a** (Multi-step equations) **MGSE8.EE.3** (Estimate with scientific notation) **MGSE8.EE.4** (Compute with scientific notation)

These units were written to build upon concepts from prior units, so later units contain tasks that depend upon the concepts addressed in earlier units. All units will include the Mathematical Practices and indicate skills to maintain.

NOTE: 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.

Grades 6-8 Key: NS = The Number System, RP = Ratios and Proportional Relationships, EE = Expressions and Equations, G = Geometry, SP = Statistics and Probability.