CSD Math Curriculum Maps (Grade 4)			4/2016
Gr 4	**Trimester 1**	**Trimester 2**	**Trimester3**
	Unit 1: Place-Value; Multi-digit Addition and Subtraction • **Base-10 place-value system** (4.NBT.1, 4.NBT.2) • **Rounding numbers through hundred thousands** (4.NBT.3) • **U.S. traditional addition and subtraction** (4.NBT.4) • **Measurement: customary units of length; perimeter** (4.MD.1, 4.MD.3) • **Geometry: properties of lines and angles** (4.G.1, 4.G.2) **Unit 2: Multiplication and Geometry** • **Multiplication & multiplicative comparison** (4.OA.1, 4.OA.2, 4.OA.4, 4.OA.5, 4.NBT.4, 4.NBT.5) • **Measurement: area, converting units of time** (4.MD.1, 4.MD.2, 4.MD.3) • **Geometry: properties of line segments and angles; symmetry** (4.G.1, 4.G.2, 4.G.3)	**Unit 3: Fractions and Decimals** • **Fractions: equivalence** (4.NF.1) • **Fractions: comparing and ordering** (4.NF.2) • **Fractions: on number lines** (4.NF.2) • **Fractions as decimals: decimal equivalence; comparing and ordering decimals** (4.NF.6, 4.NF.7) **Unit 4: Multi-digit Multiplication** • **Fact extensions and estimating products** (4.OA.3, 4.OA.4, 4.NBT.5) • **Measurement: metric units of measurement** (4.MD.1, 4.MD.2) • **Multiplication: practice with multiple algorithms** (4.NBT.5) **Unit 5: Fraction & Mixed-Number Computation; Measurement** • **Fraction concepts** (4.NF.3, 4.NF.3b) • **Fraction & mixed-number addition and subtraction** (4.NF.3, 4.NF.3a, 4.NF.3c, 4.NF.3d) • **Measurement and data: line plots** (4.MD.4) • **Geometry: angles and symmetry** (4.MD.5, 4.G.1, 4.G.3)	**Unit 6: Division; Angles** • **Strategies for division and partial quotients** (4.NBT.6) • **Geometry: angle measurement** (4.MD.6, 4.MD.7) **Unit 7: Multiplication of a Fraction by a Whole Number; Measurement** • **Multiplication of a fraction** (4.NF.4) • **Multistep number stories** (4.NF.4c, 4.MD.1, 4.MD.2) • **Line plots to organize and display data** (4.MD.4) **Unit 8: Fraction Operations; Applications** • **Fraction concepts and operations** (4.NF.3, 4.NF.4, 4.MD.3) • **Application: measurement and geometry** (4.MD.4, 4.MD.7, 4.G.3) • **Application: place value and operations** (4.NBT.4, 4.NBT.5, 4.NBT.6)
	Basic Facts: • Mentally multiply whole numbers (0-10) X (0-10)	**Basic Facts:** • Mentally multiply whole numbers (0-10) X (0-10)	**Basic Facts:** • Mentally multiply whole numbers (0-10) X (0-10)
	High Priority Mathematical Practices: 2. Reason abstractly and quantitatively. (unit 1) 6. Attend to precision. (unit 2) 7. Look for and make use of structure. (units 1, 2)	**High Priority Mathematical Practices:** 1. Make sense of problems and persevere in solving them. (unit 4) 2. Reason abstractly and quantitatively. (unit 5) 3. Construct viable arguments and critique the reasoning of others. (unit 3) 4. Model with mathematics. (unit 3) 5. Use appropriate tools strategically. (unit 5) 7. Look for and make use of structure. (unit 4)	**High Priority Mathematical Practices:** 1. Make sense of problems and persevere in solving them. (unit 8) 2. Reason abstractly and quantitatively. (unit 7) 4. Model with mathematics. (unit 8) 5. Use appropriate tools strategically. (unit 6) 7. Look for and make use of structure. (unit 6) 8. Look for and express regularity in repeated reasoning. (unit 7)