

CURRICULUM MAP FOR MAJOR TOPICS IN THE COMMON CORE MATH STANDARDS

F - fluently

C - concretely

Topic	Grade K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Place Value	Count to 100 by 1's, 10's; tens place value	Count to 120; tens, ones place value	C – count to 1,000; hundreds place value	Rounding 10's, 100's; multi-digit arithmetic	Hundredths; expanded form for multi-digit whole numbers	Left/right powers of 10; writing numbers in expanded form			Scientific notation
Add/ Subtract	F \rightarrow 5 C \rightarrow 10	F \rightarrow 20 C \rightarrow 100 Properties of Operations	F \rightarrow 100 C \rightarrow 1,000 Properties of Operations	F \rightarrow 1,000	Add, subtract multi-digit whole numbers	Add, subtract fractions	Add, subtract decimals	Add, subtract rational numbers	Add, subtract scientific notation
Multiply/ Divide			Use arrays to multiply	Multiply, divide within 100; properties of multiplication and division	Multiply 4 digits X 1 digit; 2 digits X 2 digits; 4 digit dividend X 1 digit divisor; division with remainders	“Scaling” Multiply, divide fractions with whole numbers	Multiply, divide fractions with fractions; GCF 2 #'s < 100 LCM 2 #'s < 12	Multiply, divide rational numbers	Multiply, divide scientific notation
Fractions		1/2, 1/4 parts of a circle	1/2, 1/4, 1/3	Understand fractions as numbers; locate fractions on number line	Compare fractions; add, subtract mixed with like denominators; multiply whole numbers/fractions	3/4 = 3÷4 Equivalent fractions		Fractions associated with unit rates	
Decimals					Understand decimals and read to the hundredths place	Rounding to hundredths	Add, subtract, multiply, divide fluently	Convert rational numbers to a decimal	Convert rational numbers to a decimal
Unit Rates, %, Ratios							Use percents and unit rates to solve problems	Proportions, unit rates, multi-step problems, scale drawings, and equations	
Perimeter, Area, Volume				Perimeter; area by counting squares	Apply perimeter and area formulas for rectangles	Volume, units cubed, area with fractional lengths	Area, surface area, volume of prisms	Angle measures, area, surface area, and volume; circles	Volume - cylinder, cones, spheres
Measuring		Length, time (hr, 1/2 hr)	Length, time (5 minutes); money	Rulers (1/2, 1/4), volume, mass, time (minutes)	Time, volume, distance, mass; conversion of measurements	Convert measurements			

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