Burroughs Math Year-at-a-Glance
Telescoped 5/6 Course with:
Singapore, M³Math & CMP2

Standard	Singapore, M³Math or CMP2 Unit	
Grade 5 Unit 1: Number and Operations I		
1.1 I can multiply multi-digit whole numbers using multiple efficient strategies. (5.1.1.4)	2	
1.2 I can solve real-world and mathematical problems in different ways, and assess the reasonableness of my answers. (5.1.1.4)	2	
1.3 I can estimate the solution of a problem to determine if my answer is reasonable. (5.1.1.3)	1	
1.4 I can divide multi-digit whole numbers using multiple efficient strategies and represent the quotient in a variety of ways. (5.1.1.1)	2	
1.5 I can analyze the situation of a story problem and define the quotient based on the situation. (5.1.1.2)	2	
Grade 5 Unit 2: Rational Numbers I		
2.1 I can create and use equivalent fractions, mixed numbers, and improper fractions in various contexts (MN Benchmark 5.1.2.4)	3	
2.2 I can compare and order fractions (MN Benchmark 5.1.2.3)	3	
2.3 I can locate fractions on the number line (MN Benchmark 5.1.2.3)	Grd 4 Unit 6 Grd 5 Unit 3	
2.4 I can represent real-world (including measurement, geometry, & data) & mathematical problems involving addition & subtraction of fractions using multiple strategies including estimation. (MN Benchmark 5.1.3.1, 5.1.3.2, 5.1.3.3, 5.1.3.4)	3	
2.5 I can represent real-world (including measurement, geometry, & data) & mathematical problems involving addition & subtraction of fractions using multiple strategies including standard algorithm. (MN Benchmark 5.1.3.1, 5.1.3.2, 5.1.3.3, 5.1.3.4)	3	
Grade 5 Unit 3: Geometry and Measurement		
3.1 I can measure the surface area of rectangular prisms using appropriate units. (5.3.2.2)	5	
3.2 I can measure the volume of rectangular prisms using appropriate units. (5.3.2.3)	5	
3.3 I can create and use formulas to determine the volume of rectangular prisms and justify why they work. (5.3.2.4)	5	
3.4 I can describe and classify a pyramid based on its attributes (triangular, rectangular, square, pentagonal, hexagonal, octagonal) and draw its net. (5.3.1.1)	Grade 4 Unit 4	
3.5 I can describe and classify prisms (cube, rectangular, triangular, pentagonal, hexagonal, octagonal, cylinder) based on their attributes and draw their nets. (5.3.1.2)	Grade 4 Unit 4	
3.6 I can create and use a formula to determine the area of a parallelogram. (5.3.2.1)	5	
3.7 I can create and use a formula to determine the area of a triangle. (5.3.2.1)	5	
3.8 I can decompose other polygons into triangles to determine their area. (5.3.2.1)	5	
Grade 6 Unit 1: Number and Operations		
1.1 I can demonstrate prime factorization using exponents. (6.1.1.5,6.1.1.7)	1	
1.2 I can use greatest common factors and least common multiples to calculate with fractions and find their equivalents. (6.1.1.6)	3	
1.3 I can create equivalent expressions using order of operations, the associative, commutative, and distributive properties with whole numbers and addition and subtraction of fractions. (6.2.2.1)	2 , 3	
Grade 6 Unit 2: Rational Numbers		
2.1 I can convert rational numbers to equivalent expressions including fractions, mixed numbers, and improper fractions. (6.1.1.7)	3 , 4	
2.2 I can use estimation and know if my answer makes sense. (6.1.3.5)	7	
2.3 I can justify procedures for multiplication and division of fractions, and solve real-world problems using fractions and mixed numbers. (6.1.3.1, 6.1.3.2, 6.1.3.4)	4	
2.4 I can create equivalent expressions using order of operations, the associative, commutative, & distributive properties with whole numbers and fractions. (6.2.2.1)	2 , 3	
Grade 6 Unit 3: 2-D and 3-D Geometry		
3.1 I can calculate the area of a variety of quadrilaterals, and justify the formulas and/or other methods used. (6.3.1.2)	5	

3.2 I can estimate the perimeter and area of irregular figures on a grid when they cannot be decomposed into common figures. (6.3.1.3)	5	
3.3 I can justify how I solve mathematical and real-world problems involving the surface area and volume of prisms. (6.3.1.1)	5	
Grade 6 Unit 4: More Rational Numbers		
4.1 I can use estimation and know if my answer makes sense. (6.1.3.5)	7	
4.2 I can use and justify procedures for multiplication and division of decimals, fractions, and mixed numbers. (6.1.3.1, 6.1.3.2)	4 , 7	
4.3 I can solve real-world mathematical problems with combinations of decimals, fractions, and mixed numbers. (6.1.3.4)	3 , 4 , 7	
4.4 I can create equivalent expressions using order of operations, the associative, commutative, and distributive properties with positive rational numbers. (6.2.2.1)	2 , 3	
4.5 I can determine the equivalence among fractions, decimals and percents. (6.1.1.4)	9	
4.6 I can compare fractions, decimals and percents using equality and inequality symbols. (6.1.1.2, 6.1.1.3)	3 , 9	
4.7 I can use percents in my daily life. (6.1.3.3)	9	
Grade 6 Unit 5: Ratio and Rates		
5.1 I can solve problems in a variety of contexts by comparing ratios and applying the relationship between ratios, equivalent fractions and percent. (6.1.2.1, 6.1.2.2)	6	
5.2 I can use rates to solve real-world problems. (6.1.2.3, 6.1.2.4)	11	
5.3 I can estimate weights, capacities and geometric measurements using benchmarks, and use the appropriate units. (6.3.3.2)	6	
5.4 I can solve real-world problems involving conversion of weights, capacity, measurements and time. (6.3.3.1)	3	
Grade 6 Unit 6: Probability		
6.1 I can use theoretical probability to measure the likelihood of an event happening or not happening. (6.4.1.2)	CMP2 Unit 6	*
6.2 I can make predictions using experimental probability. (6.4.1.3, 6.4.1.4)	CMP2 Unit 6	*
6.3 I can analyze probability situations to determine sample space and likelihood of related events occurring, and use the analysis to make decisions and predictions. (6.4.1.1, 6.4.1.2)	CMP2 Unit 6	*
6.4 I can compare results from probability experiments to known theoretical probability. (6.4.1.3, 6.4.1.4)	CMP2 Unit 6	*
Grade 6 Unit 7: Algebra (4 weeks)		
7.1 I can locate positive rational numbers on a number line and plot ordered pairs on a coordinate grid. (6.1.1.1)	13	
7.2 I can identify the variables in a real-world situation and describe their relationship to each other. (6.2.1.1)	13	
7.3 I can write equations and inequalities with variables to represent real-world situations. (6.2.3.1)	11 , 13	
7.4 I can evaluate equations with variables in context. (6.2.3.2)	13	
7.5 Given a representation of a function, I can move flexibly between tables, graphs, and equations. (6.2.1.2)	** CMP2 Unit 7	
7.6 I can determine the measurement of angles formed by intersecting lines. (6.3.2.1)	10	
7.7 I can prove the sum of the interior angles of any type of polygon. (6.3.2.2, 6.3.2.3)	10	
Grade 6 Unit 8: Similarity		
8.1 I can use algebraic rules to describe and produce translations and reflections of figures on a coordinate grid. (7.3.2.4)	CMP2 Unit 8	***
8.2 I can determine if two figures are similar. (7.3.2.1)	CMP2 Unit 8	***
8.3 I can find missing measures in similar figures using scale factors and/or length and area ratios. (7.3.2.2)	6	
8.4 I can use the properties of similarity to solve problems involving scale drawings. (7.3.2.3)	6	
Added Units		
* Grade 6: Probability / Use CMP2 "How Likely Is It?" 1.1-4.3	**Unit 6**	
** Grade 6: Algebra / Use CMP2 "Variables and Patterns" 4.1-4.3	**Unit 7**	
*** Grade 6: Similarity/Use CMP2 "Stretching and Shrinking" 2.1-2.3, 3.1-3.3	**Unit 8**	