Burroughs Math Year-at-a-Glance
Telescoped 4/5 Course with:
Singapore & M³Math

Standard	Singapore or M³Math Unit	
Grade 4 Unit 1: Number and Operations I		
1.1 I can read and write whole numbers through the hundred thousands place. (4.1.2.4)	1	
1.2 I can compare and order whole numbers using models. (4.1.2.5)	1	
1.3 I can demonstrate fluency of multiplication facts. 1-9. (4.1.1.1)	2	
1.4 I can multiply numbers by 10, 100 and 1,000. (4.1.1.2)	1	
1.5 I can multiply whole numbers as great as 3 digit numbers by 2 digit numbers. (4.1.1.3)	2	
1.6 I can estimate products. (4.1.1.4)	2	
1.7 I can solve real-world problems using addition, subtraction and multiplication. (4.1.1.5)	2	
Grade 4 Unit 2: Algebra		
2.1 I can create and use input-output rules to solve (addition, subtraction, multiplication, and division) problems and can record the inputs and outputs in a table. (4.2.1.1)	9	
2.2 I can write and interpret (read) number sentences that involve multiplication, division, and unknowns (variables) to represent a real-world problem. (4.2.2.1)	1, 9	
2.3 I can find the values for the unknowns that make a number sentence true. (4.2.2.2)	9	
Grade 4 Unit 3: Data Analysis		
3.1 I can display a data set in several ways, including a bar graph, timeline, Venn diagram, line plot or pictograph. (4.4.1.1)	10	
3.2 I can interpret data displayed on graph or spreadsheet table. (4.4.1.1)	10	
Grade 4 Unit 4: Number and Operations II		
4.1 I can demonstrate knowledge of multiplication and division facts 1-9. (4.1.1.1)	2	
4.2 I can solve whole number division problems as great as 3 digit numbers by 2 digit numbers. (4.1.1.6)	2	
Grade 4 Unit 5: Geometry		
5.1 I can identify and describe different types of triangles in various contexts. (4.3.1.1)	4	
5.2 I can identify, draw and describe quadrilaterals in various contexts. (4.3.1.2)	4	
5.3 I can measure angles in geometric figures and in real-world objects with a protractor. (4.3.2.1)	4	
5.4 I can compare angles according to size. (4.3.2.2)	4	
5.5 I can find the area of common quadrilaterals (square and rectangles). (4.3.2.3)	5	
5.6 I can find the areas of different geometric figures and real-world objects. (4.3.2.4)	5	
5.7 I can identify and apply translations (slides), reflections (flips), or rotations (turns) to figures. (4.3.3.1) (4.3.3.2) (4.3.3.3)	8	
5.8 I can recognize that translations, reflections and rotations preserve congruency. (4.3.3.4)	8	
Grade 4 Unit 6: Rational Numbers I		
6.1 I can represent equivalent fractions with models. (4.1.2.1)	3	
6.2 I can locate fractions, including improper fractions and mixed numbers, on a number line. (4.1.2.2)	3	
6.3 I can compare fractions using a number line. (4.1.2.2)	3	

6.4 I can add and subtract fractions with like denominators using models. (4.1.2.3)	3	
6.5 I can prove the fraction and decimal equivalents for tenths, hundredths, halves and fourths. (4.1.2.6)	3	
6.6 I can read and write decimals through the thousandths place. (4.1.2.4)	6	
6.7 I can compare and order decimals using models. (4.1.2.5)	6	
6.8 I can round decimals to the nearest tenth. (4.1.2.7)	6	
6.9 I can organize data that may include fractions or decimals. (4.4.1.1)	10	
Grade 5 Unit 4: Algebra		
4.1 I can represent and create real-world situations with equations and inequalities. (5.2.3.2)	M^3	
4.2 I can determine if a given value for a variable makes an equation or inequality true. (5.2.3.1)	M^3	
4.3 I can apply the commutative, associative and distributive properties to solve problems involving whole numbers. (5.2.2.1)	M^3	
4.4 I can use the order of operations to solve problems involving whole numbers. (5.2.2.1)	1	
4.5 I can describe patterns of change and solve problems by creating and using rules, tables, spreadsheets and graphs. (5.2.1.1)	9, M^3	
4.6 I can use a rule or table to represent ordered pairs of positive numbers. (5.2.1.2)	9	
4.7 I can graph ordered pairs on a coordinate system. (5.2.1.2)	9	
4.8 I can create a graph using positive numbers from a rule or table. (5.2.1.2)	9	
4.9 I can evaluate expressions and solve equations with multiple variables when the values of all the variables, except one, are given. (5.2.3.3)	9, M^3	
Grade 5 Unit 6: Rational Numbers II		
6.1 I can create and use decimals, fractions, mixed numbers, and improper fractions in various contexts. (5.1.2.4)	3, 6, 7	
6.2 I can locate fractions and decimal numbers on a number line. (5.1.2.3)	3, 6	
6.3 I can compare and order fraction and decimal numbers. (5.1.2.3)	3, 6	
6.4 I can read and write numbers from millionths to millions. (5.1.2.1)		
6.5 I can explain what happens to the value of a number when digits change by one in the tenths, hundredths, or thousandths place. (5.1.2.2)	6	
6.6 I can round numbers to the nearest tenth, hundredth, and thousandth. (0.1, 0.01, 0.001). (5.1.2.5)	6	
6.7 I can solve real-world and mathematical problems involving addition and subtraction of decimals in multiple ways. (5.1.3.1,5.1.3.2,5.1.3.3, 5.1.3.4)	6, 7	
6.8 I can solve real world problems involving both fractions and decimals. (5.1.3.3, 5.1.3.4)	3, 6, 7, M^3	
Grade 5 Unit 5: Data		
5.1 I can organize, create, and analyze double bar graphs, line graphs, spreadsheets, and tables with whole numbers, fractions, and decimals. (5.4.1.2)	10	
5.2 I can apply the concepts of mean, median, and range to interpret a set of data. (5.4.1.1)	10	
Added Units		
Target 4.2 (5) add opportunities to incorporate inequalities to the learning target	9, M^3	
Target 6.4 (5) extend place value through the millionths	1	
Target 5.2 (5) extend statistical landmarks to include arithmetic mean	10	