	TERM	UNIT / LESSON	STEPS (GRADES) FROM …	STEPS (GRADES) FROM …	LEARNING OUTCOME
	SPRING	**6 Decimals and ratio**	5th (grade 3)	7th (grade 4)	
15	01/01/2018	6.1 Ordering decimals and rounding	6th (grade 3)	7th (grade 4)	Rounding whole numbers and decimals. Writing large numbers as a decimal number of millions. Ordering positive and negative decimals. Using the symbols > and < between two negative decimals.
16	08/01/2018				
		6.2 Place-value calculations	5th (grade 3)	6th (grade 3)	Multiplying larger numbers. Multiplying decimals with up to two decimal places. Multiplying any number by 0.1 and 0.01.
		6.3 Calculations with decimals	6th (grade 3)	6th (grade 3)	Adding and subtracting decimals of any size. Multiplying and dividing by decimals. Dividing by 0.1 and 0.01.
		6.4 Ratio and proportion with decimals	5th (grade 3)	6th (grade 3)	Using ratios involving decimals. Solving proportion problems involving decimals.
		6.5 STEM: Using ratios	5th (grade 3)	6th (grade 3)	Solving engineering problems using ratio and proportion. Using unit ratios.
17	15/01/2018	**PROBLEM-SOLVING ACTIVITIES**			
	SPRING	**7 Lines and angles**	5th (grade 3)	6th (grade 3)	
18	22/01/2018	7.1 Quadrilaterals	5th (grade 3)	6th (grade 3)	Matching quadrilaterals to their descriptions.
19	29/01/2018	**RICH TASK 28: DIAGONALS OF RECTANGLES**			Using known facts about quadrilaterals to solve problems.
		7.2 Alternate angles and proof	5th (grade 3)	6th (grade 3)	Using alternate angles to find unknown angles. Using reasoning to complete mathematical proofs.
		7.3 Geometrical problems	5th (grade 3)	6th (grade 3)	Solving geometrical problems using side and angle properties of triangles and quadrilaterals.
		RICK TASK 30: TILED SQUARES			Identifying corresponding angles.
		INVESTIGATION: PILE 'EM HIGH (OCR)			Solving problems using properties of angles in parallel and intersecting lines.
		7.4 Exterior and interior angles	6th (grade 3)	6th (grade 3)	Calculating the sum of the interior and exterior angles of a polygon. Calculating the interior and exterior angles of a polygon.
		7.5 Solving geometric problems	6th (grade 3)	6th (grade 3)	Finding unknown angles by forming and solving equations.
		INVESTIGATION: ROUTES ON POLYHEDRA (OCR)			Solving geometrical problems showing reasoning.
20	05/02/2018	**PROBLEM-SOLVING; REVISION**			**HALF TERM TEST**

	SPRING	**8 Calculating with fractions**	4th (grade 2)	7th (grade 4)	
21	19/02/2018	8.1 Adding and subtracting fractions	4th (grade 2)	5th (grade 3)	Adding and subtracting fractions with any size denominator.
22	26/02/2018	8.2 Multiplying fractions	5th (grade 3)	7th (grade 4)	Multiply integers and fractions by a fraction Use appropriate methods for multiplying fractions.
		8.3 Fractions, decimals and reciprocals	5th (grade 3)	7th (grade 4)	Convert fractions to decimals. Write one amount as a fraction of another. Find the reciprocal of a number.
		8.4 Dividing fractions	5th (grade 3)	7th (grade 4)	Divide integers and fractions by a fraction. Use strategies for dividing fractions.
		8.5 Calculating with mixed numbers	5th (grade 3)	7th (grade 4)	Use the four operations with mixed numbers.
23	05/03/2018	**PROBLEM-SOLVING ACTIVITIES**			
	SPRING	**9 Straight-line graphs**	5th (grade 3)	7th (grade 4)	
24	12/03/2018	9.1 Direct proportion on graphs	5th (grade 3)	6th (grade 3)	Recognising when values are in direct proportion. Plotting graphs and reading values to solve problems.
25	19/03/2018				
		9.2 Gradients	5th (grade 3)	7th (grade 4)	Plot a straight-line graph and work out its gradient.
		9.3 Equations of straight lines	6th (grade 3)	6th (grade 3)	Plot the graphs of linear functions. Find midpoints of line segments. Write the equations of straight line graphs in the form y = mx + c
		9.4 STEM: Direct proportion problems	6th (grade 3)	6th (grade 3)	Identify and describe practical examples of direct proportion. Solve problems involving direct proportion with or without a graph.
26	26/03/2018				