

EXTENSION LEARNING OUTCOMES IN BOLD					
TERM	UNIT / LESSON	STEPS (GRADES) FROM ...	STEPS (GRADES) FROM ...	LEARNING OUTCOME	
SPRING	5 Transformations	3rd (grade 2)	9th (grade 6)		
15	01/01/2018	5.1 Reflection and translation	3rd (grade 2)	5th (grade 3)	Describe and carry out translations.
16	08/01/2018				Describe and carry out reflections.
		5.2 Rotation	3rd (grade 2)	6th (grade 3)	Describe and carry out rotations.
		5.3 Enlargement	5th (grade 3)	6th (grade 3)	Enlarge a shape. Describe an enlargement.
		5.4 More enlargement	5th (grade 3)	6th (grade 3)	Enlarge a shape using negative scale factors. Enlarge a shape using fractional scale factors.
		5.5 STEM: Combining transformations	5th (grade 3)	8th (grade 5)	Transform 2D shapes using a combination of reflection, rotation, enlargement and translation.
		5.6 2D shapes and 3D solids	5th (grade 3)	9th (grade 6)	Identify planes of reflection symmetry in 3D solids.
		INVESTIGATION: ROUTES ON POLYHEDRA (OCR)		Find the perimeter and area of 2D shapes after enlargement.	
		RICK TASK 4: WILL THEY MEET?		Find the volume of 3D solids after enlargements.	
17	15/01/2018	PROBLEM-SOLVING ACTIVITIES		RICH TASK 18: ENTRAPMENT	
SPRING	6 Fractions, decimals and percentages	5th (grade 3)	9th (grade 6)		
18	22/01/2018	6.1 Recurring decimals	5th (grade 3)	7th (grade 4)	Recognise fractional equivalents to important recurring decimals Recognise which denominators of simple fractions produce recurring decimals Change a recurring decimal into a fraction.
19	29/01/2018				Calculate percentages Work out an original quantity before a percentage increase or decrease
		6.2 Using percentages	6th (grade 3)	7th (grade 4)	Calculate percentage change.
		6.3 Percentage change	8th (grade 5)	8th (grade 5)	Calculate the effect of repeated percentage changes.
		6.4 FINANCE: Repeated percentage change	9th (grade 6)	9th (grade 6)	
20	05/02/2018	PROBLEM-SOLVING; REVISION		HALF TERM TEST	

	SPRING	7 Constructions and loci	4th (grade 2)	8th (grade 5)	
21	19/02/2018	7.1 Accurate drawings	4th (grade 2)	5th (grade 3)	Draw triangles accurately using a ruler and protractor.
22	26/02/2018				Draw diagrams to scale.
		7.2 Constructing shapes	6th (grade 3)	7th (grade 4)	Draw accurate nets of 3D solids. Construct triangles using a ruler and compasses. Construct nets of 3D solids using a ruler and compasses.
		7.3 Constructions 1	5th (grade 3)	8th (grade 5)	Bisect a line using a ruler and compasses. Construct perpendicular lines using a ruler and compasses.
		RICK TASK 20: LEAP FROG			
		7.4 Constructions 2	6th (grade 3)	7th (grade 4)	Bisect angles using a ruler and compasses.
		7.4 Constructions 3			Draw accurate diagrams to solve problems.
		7.5 Loci	5th (grade 3)	8th (grade 5)	Draw a locus. Use loci to solve problems.
		INVESTIGATION: GRAZING (OCR)			
23	05/03/2018	PROBLEM-SOLVING ACTIVITIES			RICH TASK 19: FIRE HYDRANTS
	SPRING	8 Probability	3rd (grade 2)	10th (grade 7)	
24	12/03/2018	8.1 Comparing probabilities	3rd (grade 2)	6th (grade 3)	Calculate and compare probabilities. Decide if a game is fair.
25	19/03/2018				
		8.2 Mutually exclusive events	4th (grade 2)	7th (grade 4)	Identify mutually exclusive outcomes and events. Find the probabilities of mutually exclusive outcomes and events. Find the probability of an event not happening.
		8.3 Estimating probability	4th (grade 2)	5th (grade 3)	Calculate the relative frequency of a value. Use relative frequency to make estimates. Use relative frequency to estimate the probability of an event. Use estimated probability to calculate expected frequencies.
		8.4 Experimental probability	3rd (grade 2)	8th (grade 5)	Carry out a probability experiment. Estimate probability using data from an experiment. Work out the expected results when an experiment is repeated.
		INVESTIGATION: LOTTERY NUMBERS			
		8.5 Probability diagrams	5th (grade 3)	6th (grade 3)	List all the possible outcomes of one or two events in sample space diagrams or Venn diagrams. Calculate probabilities of repeated events.
		8.6 Tree diagrams	8th (grade 5)	10th (grade 7)	Use tree diagrams to find the probabilities of two or more events.
26	26/03/2018	PROBLEM-SOLVING; REVISION			END OF TERM TEST