

SRI LANKAN SCHOOL - MUSCAT			SCHEME OF WORK		ACADEMIC YEAR 2016 / 2017	
CLASS : 8			SUBJECT: Maths		TEACHER : Ranjana Viduransi	
Month	No.of Periods	Unit No.	Topic/topics	Intended Learning Objectives	Date of Completion	Remarks
September			School Reopens - 1st Term			
Week 1	1	1	Number Support	To identify place values,integers,prime numbers & factors.Calculate with integers,squares,square roots,cubes,cube roots & powers.		
Week 2	7	1	Place Value,Ordering & Rounding	To multiply & divide by 10.100.1000...,put decimals in order,understand to round off numbers		
Week 3			Eidul			
Week 4	7	2	Integers,Powers & Roots	To recall & use the knoladge of prime numbers,factors,squares,square roots,cubes,cube roots & order of operations		
Week 5	7	3	Mental Calculations	To investigate divisibility of numbers,Recall & use order of operations.		
October						
Week 6	5	3	Mental Calculations Continue	To practice to estimate, calculate percentages.		
Week 7	7	4	Written & Calculator Calculations	To practice to multiply & divide by numbers between 0 & 1		
Week 8	7	5	Fractions	To identify mixed numbers,improper & proper fractions,equivalent fractions,lowerst form of a fraction.		
Week 9	7	5	Fractions Continue	To pratice to add,sbtract frctions with same denominator.		
November						
Week 10	1	5	Percentage,Fractions & Decimals	To practice to increase or decrease to a given percentage.		
Week 11	7	6	Percentage,Fractions & Decimals Continue	To calculate the original amount & mixed percentages		
Week 12	7	7	Ratio & Propotions	To identify direct proportion,simplify & compare ratios.		
Week 13	5	7	Ratio & Propotions Continue	To solve ratio & proportions problems.		
December						
Week 14	7		Revision			
Week 15	7		Revision			
Week 16			1st Term end exams & Report Work			
Week 17			Desember Vacation			
Week 18			Desember Vacation			
Week 19			Vacation			
			School Reopens -2nd Term			

Week 20	7	8	Expressions,Formulae &Equations	To identify & use expressions,formulae, eqvations, sequences, functions & graphs.To prctice to multiply & divide algebraic expressions,collect like terms.		
Week 21	7	8	Expressions,Formulae &Equations Continue	To prctice to factorise, substitute,substitute into formulae & change the subject of formula.		
Week 22	5	8	Expressions,Formulae &Equations Continue	To solve eqvations, use graphs to solve eqvations, solve non linear eqvations.		
Week 23	2	8	Expressions ,Formulae & Equation continue	Practice solving real world based linear equation type questions		
February						
Week 24	7	9	Sequences & Functions	To describe linear sequences, find the nth term ,find the function of given input & output.		
Week 25	7	9	Sequence & Functions continue	To use flow charts to write sequeences, generate sequences by multiplying & dividing.		
Week 26	7	10	Graphs	To identify the equation of straight line graphs,calculate the gradient of a graph		
Week 27	4	10	Graphs Continue	To read & plot real life graphs, interpret & sketch distance time graohs		
March						
Week 27	3	11	Shape,Space & Measures Support	To identify lines & angles,2-D ,3-D shapes,coordinates,symmetry,perimeter, area & volume.		
Week 28	7	10	Lines & Angles	To use geometrecal reasons to find angles,understand interior & exterior angles of polygon.		
Week 29	7	112	Shape,Constructions & Loci	To visualise & sketch 2-D shapes,understand tessellations,identify congruence,ues 3-D shapes to understand plans,elevations & cross-sections,construct traingles & loci.		
Week 30			2nd term end exams			
Week 31			2nd term end exams			
April						
Week 32			Closed for correction			
Week 33			April Vacation			
School Reopens -3rd Term						
Week 34	3	13	Cordinates & Transformations	To identify coordinates & transformations,symmetry.		
Week 35	6	13	Cordinates & Transformations Continue	To identify enlargement & scale drawing.Find midpoint of a line.		
May						
Week36	7	14	Measures,Perimeater,Area & Volume	To identify metric conversions,find perimeter & area ,identify bearings,calculate circumference & area of a circle,surface area & volume of a prism.		

Week37	7		Handling Data Support	To identify discrete & continuous data, display discrete & grouped data, draw pie charts, identify mode, median, mean & range.		
Week38	7	15	Data Collection	To identify Two-way tables, practice planning a survey.		
Week39	7	16	Analysing Data, Drawing & Interpreting Graphs	To calculate the mean, Find the median, range, mode from a stem-and-leaf diagram.		
Week40	7	17	Analysing Data, Drawing & Interpreting Graphs Continue	To construct graphs & diagrams, interpret graphs & tables, understand to conduct surveys.		
June						
Week 40	2	17	Probability	To calculate probability by listing outcomes, estimate probability from relative frequency, compare calculated & experimental probability.		
Week42	5		Revision			
Week43			3rd Term Exams			
Week44			Closed for Corrections			
Week45			Summer Vacation			