

Sri Lankan School - Muscat

Subject : Mathematics Teachers : Mrs. Geethanjali Rajakaruna, Mrs. Indika Korale , John T Gnananesan

Week/Date	No of Periods	Unit	Topic/ Detail	ILO	Date of Completion	Remarks
1 31Aug - 1Sept	2	1 Number 1	Working with fractions Order of operations	Simplifying fractions		
2 04 - 08 Sept	6	1 Number 1	Multiply / Dividing Decimal Places & SF	State the Order of Operation - BODMAS Recollect the work done in Gr 9		
11 - 15 Sept Eid Holidays						
4 18 - 22 Sept	6	2 Number 2	Standard form & - index Percentages	Write the number in Std form Work out % increase and decrease		
5 25 - 29 Sept	6	3 Number 3	Prime factors HCF & LCM Ratio	Write a number as a product of its prime factors Find HCF & LCM . Compare Ratios		
6 03 - 06 Oct	5	5 Number 5	Calculator Estimating & using std form Rounding upper & lower bounds	Use a calculator , Estimate an answer Identify upper and lower bound of a number Solve problems using upper an lower bound		
7 09 - 13 Oct	6	1 Algebra 1	Basic principals of Algebra Expanding brackets	Siplify Algebraic expressions , Expand brackets Solve equatiions		
8 16 - 20 Oct	6	2 Algebra 2	Simplfying Algebraic Fractions Addition & Subtration Solving equations	Add , Subtract Multiply and divide Algebraic fractions Solve equatons with roots and powers Use the rule of indices and Solve inequalities		
9 23 - 27 Oct	6	3 Algebra 3	Simple factorising , equations with fractions , Solving simultanious equations	Factorise Algebraic Expressions , Simplify Algebraic fractions Solve simultanious equations		
10 31 Oct - 03 Nov	5	5 Algebra 5	Two& Three linear brackets , Factorising Quadretic expressions and solving equations	Expand the product of two or more linear expressions Factorise quadretic Expressions & solve quadretic equation		
11 06 - 10 Nov	6	Shapes	Length area and volume	Calculate the length area and volume of different shapes		
12 13 - 17 Nov	6	1 Graphs 1 2 Graphs 2	Gradient of a straight line Graphs of $y=mx + c$ & $ax+by+c=0$ Finding equation of a linear graph sketching graphs solving simul equation using graphs	Find the gradient of a line through 2 points Compare two linear graphs using their equation Find the equation of a line , sketch the graphs and Solve simultanious equations using graphs		
13 20 - 24 Nov	6	1 Sets 1	Set notations and n and u of sets	Use set notations and use venn diagrams to represent sets		
14 27 Nov - 01 Dec	Revision and practice test					
15 04 - 08 Dec	Revision and First term test					
16 11 - 15 Dec	First term test					
17 18 - 22 Dec	Paper correction and PTI					
18 25 - 29 Dec	First term vacation					
19 01 - 05 Jan 2017	First term vacation					
20 08 -12 Jan 2017	6	1 Shapes & Space 1	Interior and Exterior angles Sum of the exterior angles in a Δ	Obtain & use the sum of angles in a Δ , Obtain and use the propety that the ex angle of a $\Delta =$ sum of two		
21 15 - 19 Jan	6	1 Shapes & Space 1	Interior and Exterior angles Interior and Exterior angles of a polygon	opposite interior angles calculate the sum of the interior angles of a polygon		
22 22 - 26 Jan	6	2 Handling Data 1	Types of Data Representing Data	Use pie chart and frequency polygon Construct two way table		
23 29 Jan - 02 Feb	6	3 Graphs 3	Distance Time and speed time graphs	Draw and interprit distance time graphs Draw and interprit speed time graphs		
24 05 - 09 Feb	6	2 Shape & space 2	Pythagoras Therom Circle theorem	Use Pythagoras theorem and find the lenghts in right angle triangle, Use the properties of angles in a circle Use the properties of tangents to a circle		
25 12 - 16 Feb	6	3 Handling Data 2	Frequency Data , Mean	Estimate the mean and range from a grouped frequency table ,Find the modal class and median		
26 19 - 23 Feb	6	4 Number 4	Compound percentages Inverse percentages	Find an amount after a repeated percentage change Find an original amount after a percentage increase or drop		
27 26 Feb - 02 Mar	6	4 Algebra 4 4 Graphs 4	Using Formulae Quadratic graphs	Subsitute numbers into formulae , change the subject Recognise and draw graphs of Quadretic functions , interpret and solve Quadretic equations		
28 05 - 09 Mar	6	3 Shape & Space	Tangent ratio	Use the tangent ratio to find a length and an angle in a right angled Δ ,use angles of elevation and dpression , solve problems		
29 12 - 16 Mar	6	Revision				
30 19 - 23 Mar	Revision & Second Term Test					
31 26 - 30 Mar	Second Term Test					
32 02 - 06 April	Paper correction & PTI					

33 09 - 13 April	Second Term Vacation				
34 16 - 20 April	Second Term Vacation and School Reopening				
35 23 - 27 April	6	4 Handling Data 3	Measures of Dispersion , Q1 , Q2,Q3 , CF and CF graph	Find the IQR of discrete data , Draw CF graph estimate the median , IQR from the graph	
36 30 April - 04 May	6	4 Graphs 4	Quadratic graphs & solution of $ax^2 + bx + c = 0$	Recognize and draw graphs of Quadretic functions use graphs to solve Quadretic equations	
37 07 - 10 May	5	5 Graphs 5	Representing inequalities graphically	Represent inequalities on graphs and interprit graphs of inequalities	
38 14 - 18 May	6	5 Shape & space 5	Transformations , Translations Reflections and Rotations & Enlargements	Translate a shape using vector, Describe a translation, Describe Reflection , Rotation & Enlargement	
39 21 - 25 May	6	5 Handling Data 4	Probability , Sample space , Definition	Use a sample space diagram to recall all possiable outcom Find the probability of various events	
40 28 May - 01 June	6	Practice Tests & Revision			
41 04 - 08 June	6	Practice Tests & Revision			
42 11 - 15 June	Revision & Third Term Test				
43 18 - 22 June	Third Term Test				
44 25 - 29 June	Eid Al Fitar Holidays				
45 02 - 06 July	Paper Correction & PTI - End of the Acedemic year				