

2016-17 S.1 Maths teaching schedule

	<i>Date</i>	<i>Chapter / Topic</i>	<i>Core Assignment</i>
1	2/9 – 9/9	0 Fundamental Mathematics 11	
		0.1 Basic arithmetic knowledge	
		0.2 Factors and multiples	
2	12/9 – 20/9	0.3 fractions	Ex0.3 (22, 28, 34, 42)
		0.4 Basic units	
		0.5 angles	
		1 Directed numbers 11+1	
		1.1 introduction to directed numbers	
		1.2 Addition and subtraction of directed numbers	Ex1.2 (24b,26a,27b,28b,29)
3	21/9- 28/9	1.3 Multiplication and division of directed numbers	Ex1.3(14b, 16c, 20b,23a, 24b,28)
		Chapter summary and revision exercise	Rev (10e, 17d, 23c, 29a, 33)
		2 Using Algebra to solve problems 12	Ex2.1(25,33,42)
		2.1 Introduction to Algebra	
		2.2 Formulas and method of substitution	Ex2.2(16, 20,25)
4	29/9 – 6/10	2.3 Solving equation in one unknown	Ex2.3(13, 22, 38,44)
		chapter test	
		2.4 More about solving equations in one unknown	Ex2.4(20,25,31,36)
5	7/10 – 17/10	2.5 Applications of equations in one unknown	Ex2.5(13,20,24)
		Chapter summary and revision exercise	Rev(30,33)
6	18/10 – 25/10	3 Percentages 14+1	Ex3.1(14,16,22,24)
		3.1 Simple applications of percentages	
		3.2 Percentages change	Ex3.2(13,20,26,29)
		3.3 Profit and loss	Ex3.3(19,23,26)
7	26/10 – 2/11	3.4 Discount	Ex3.4(8,12,16,17,21)
		Chapter summary and revision exercise	Rev(8,26,31)
8	3/11 – 18/11	Chapter test	
		4 Estimation in numbers and measurement 10	
		4.1 Concepts of estimation	
		4.2 Estimation strategies	
		4.3 Concepts of measurement	
9	21/11 – 28/11	4.4 Estimation strategies in measurement	Rev (9,24)
		Chapter summary and revision exercise	
		5 Introduction to geometry 7	
		5.1 The basic knowledge of geometry	
		5.2 Plane figures	Ex5.2 (7, 19,21)
10	29/11 – 6/12	5.3 Solid figures	Rev (28, 31)
		6 Introduction to statistics 8	
		6.1 Various stages involved in statistics	
		6.2 Collection and classification of data	
		6.3 Organization of data	
		revision	
11		Exam	
12	15/12 – 4/1	Exam paper checking	
13	5/1 – 12/1	6.4 Broken line graphs and pie charts	Ex6.4 (9,11)
		6.5 Stem-and-leaf diagram	Ex6.5 (4a, 7)
		6.6 Scatter diagrams	Ex6.6 (6)
		6.7 Choosing appropriate diagrams and graphs	

	<i>Date</i>	<i>Chapter / Topic</i>	<i>Core Assignment</i>
14	13/1 – 20/1	7 Introduction to coordinate geometry 8 7.1 Introduction to rectangular coordinate system 7.2 Distance between two points 7.3 Areas of plane figures 7.4 Polar coordinate system	Ex7.1 (14, 18) Ex7.2 (13,16,22) Ex7.3 (4, 10,15)
15	3/2 – 10/2	Chapter summary and revision exercise 8. Symmetry and transformation 11 8.1 Symmetry 8.2 Transformation	
16	13/2 – 20/2	8.3 Transformations on the rectangular coordinates system Chapter summary and revision exercise	
17	21/2 – 28/2	9 Congruence and similarity 18 +1 9.1 Introduction to congruence 9.2 Conditions for congruent triangles	Ex9.1 (10,13,19) Rev (4) Ex9.2 (19,22,24)
18	1/3 – 8/3	9.3 Introduction to similarity chapter test	Ex9.3 (6,7,14, 15,18)
19	9/3– 16/3	9.4 Conditions for similar triangles 9.5 More about the construction of geometric figures (optional)	Ex9.4 (12,16,22) Rev (17)
20	17/3 – 27/3	Chapter summary and revision exercise test 10 Area and Volume(I) 10 10.1 Areas of polygons UT	
21	28/3 – 5/4	UT paper checking 10.1 Areas of polygons 10.2 Volumes and total surface areas of prisms	Ex 10.2(9,16,21, 27)
22	6/4 – 25/4	Chapter summary and revision exercise 11 Angles related to lines 12+1 11.1 angles related to intersecting lines 11.2 Angles related to parallel lines	Rev (19, 20,24) Ex 11.1 (8,22,29, 32,36)
23	26/4 – 8/5	11.2 Angles related to parallel lines 11.3 Methods in determining parallel lines	Ex 11.2 (13, 18, 22,26) Ex 11.3 (4, 7, 8)
24	9/5 – 16/5	Chapter summary and revision exercise Chapter test 12 Rate and ratio 16 12.1 rate	Rev (28) Ex12.1 (19,21, 23)
25	17/5 – 24/5	12.2 ratio	Ex12.2 (8a, 11, 21b,22c,25)
26	25/5 – 21/6	12.3 continued ratio 12.4 Applications of ratios	Ex12.3(5b,19,21) Ex12.4 (9,17,21,)
27	5/6 – 9/6	Chapter summary and revision exercise revision	Rev (13,20)