

Shatin Tsung Tsin Secondary School
S.1 Mathematics Teaching Schedule (2018 – 19)

<i>Date</i>	<i>Chapter / Topic</i>	<i>Core Assignment</i>
4/9 – 11/9	0 Fundamental Mathematics 11	
	0.1 Basic arithmetic knowledge	
	0.2 Factors and multiples	
12/9 – 19/9	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	
20/9- 3/10	1.2 Addition and subtraction of directed numbers	Ex1.2 (24b,26a,27b,28b,29)
	1.3 Multiplication and division of directed numbers	Ex1.3(14b, 16c, 20b,23a, 24b,28)
20/9- 3/10	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)
4/10 – 12/10	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)
13/10 – 16/10	2.5 Applications of equations in one unknown	Ex2.5(13,20,24)
	Chapter summary and revision exercise	Rev(30,33)
17/10 – 26/10	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)
27/10 – 2/11	3.3 Profit and loss	Ex3.3(19,23,26)
	3.4 Discount	Ex3.4(8,12,16,17,21)
3/11 – 13/11	Chapter summary and revision exercise	Rev(8,26,31)
	4 Estimation in numbers and measurement 10	
	4.1 Concepts of estimation	
3/11 – 13/11	4.2 Estimation strategies	
	4.3 Concepts of measurement	
	4.4 Estimation strategies in measurement	Rev (9,24)
14/11 – 24/11	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)
25/11 – 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	
25/11 – 6/12	6.3 Organization of data	

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	revision	
7/1 — 9/1	Exam paper checking	
10/1 – 14/1	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	
15/1 – 22/1	7 Introduction to coordinate geometry 8	
	7.1 Introduction to rectangular coordinate system	Ex7.1 (14, 18)
	7.2 Distance between two points	Ex7.2 (13,16,22)
	7.3 Areas of plane figures	Ex7.3 (4, 10,15)
	7.4 Polar coordinate system	
23/1 – 30/1	Chapter summary and revision exercise	
	8. Symmetry and transformation 11	
	8.1 Symmetry	
	8.2 Transformation	
11/2–19/2	8.3 Transformations on the rectangular coordinates system	
	Chapter summary and revision exercise	
20/2 – 27/2	9 Congruence and similarity 18 +1	Ex9.1 (10,13,19) Rev (4)
	9.1 Introduction to congruence	
	9.2 Conditions for congruent triangles	Ex9.2 (19,22,24)
28/2 – 3/3	9.3 Introduction to similarity chapter test	Ex9.3 (6,7,14, 15,18)
4/3– 12/3	9.4 Conditions for similar triangles	Ex9.4 (12,16,22)
	9.5 More about the construction of geometric figures (optional)	Rev (17)
13/3 – 24/3	10 Area and Volume(I) 10	
	10.1 Areas of polygons	
	10.2 Volumes and total surface areas of prisms	Ex 10.2(9,16,21, 27)
25/3 – 3/4	Chapter summary and revision exercise	Rev (19, 20,24)
	UT paper checking	
4/4 – 28/4	11 Angles related to lines 12+1	Ex 11.1 (8,22,29, 32,36)
	11.1 angles related to intersecting lines	
	11.2 Angles related to parallel lines	
29/4 – 7/5	11.2 Angles related to parallel lines	Ex 11.2 (13, 18, 22,26)
	11.3 Methods in determining parallel lines	Ex 11.3 (4, 7, 8)
	Chapter summary and revision exercise	Rev (28)
	Chapter test	
8/5 – 19/5	12 Rate and ratio 16	Ex12.1 (19,21, 23)
	12.1 rate	
	12.2 ratio	Ex12.2 (8a, 11, 21b,22c,25)
20/5 – 23/5	12.3 continued ratio	Ex12.3(5b,19,21)
24/5 –2/6	12.4 Applications of ratios	Ex12.4 (9,17,21,)
3/6 – 6/6	Chapter summary and revision exercise revision	Rev (13,20)