

**SUMMER TERM DISCOVERING MATHS 2C YEAR 8 2020-21**

**TUES 20TH APRIL**

Summer term / Week 1	Problem-solving Processes and Heuristics	DF2, 3, 4, 5, 7 RM3, 4, 5, 6 SP1-4 N4, 5 A1, 2, 3, 4, 6, 7		
	Chapter 9 Angles in Quadrilaterals and Polygons		Workbook 2C Chapter 9 <ul style="list-style-type: none"> <li><b>k</b> Chapter 9 introduction video</li> <li><b>k</b> Chapter 9 online skills test</li> <li><b>k</b> Chapter 9 end-of-chapter test and mark scheme</li> <li><b>k</b> Fully-worked solutions: Chapter 9 in Workbook 2C</li> </ul>	

Summer term / Week 1	9.1 Quadrilaterals	<ul style="list-style-type: none"> <li>• classify special quadrilaterals on the basis of their properties</li> <li>• recognise the properties of special quadrilaterals</li> </ul>	DF2, 7 RM5 SP1-4 N12 G5, 7, 10, 11, 12, 16	<b>k</b> Try It! Videos 2, 3, 4	1102	<b>244-253</b>
----------------------	--------------------	--	--	---------------------------------	------	----------------

**MON 26TH APRIL**

Summer term / Week 2	9.2 Polygons	<ul style="list-style-type: none"> <li>• recognise the properties of polygons, including symmetry properties</li> </ul>	DF2, 4, 7 RM4, 5 SP1-4 N12 A2 G5, 7, 10, 11, 12, 16	<b>k</b> Try It! Videos 6, 9, 11	1100, 1320	253-361
----------------------	--------------	---	--	----------------------------------	------------	---------

**MON 4TH MAY**

Summer term / Week 3	Chapter 10 Perimeter and Area of Parallelograms and Trapezia			Workbook 2C Chapter 10 <ul style="list-style-type: none"> <li><b>k</b> Chapter 10 introduction video</li> <li><b>k</b> Chapter 10 online skills test</li> <li><b>k</b> Chapter 10 end-of-chapter test and mark scheme</li> <li><b>k</b> Fully-worked solutions: Chapter 10 in Workbook 2C</li> </ul>	
	10.1 Area of Parallelograms	<ul style="list-style-type: none"> <li>• calculate the area of a parallelogram</li> </ul>	DF2, 4, 7 RM4, 5 SP1-4 N12 A2 G1, 16	<b>k</b> Try It! Video 2	1108
	10.2 Area of Trapezia	<ul style="list-style-type: none"> <li>• calculate the area of a trapezium</li> </ul>	DF2, 4, 7 RM4, 5 SP1-4 N12 A2 G1, 16	<b>k</b> Try It! Video 6	1128

**266-278**

**MON 10TH MAY**

Summer term / Week 4	10.3 Perimeter and Area of Composite Plane Figures	<ul style="list-style-type: none"> <li>• solve problems involving perimeters and areas of composite plane figures</li> </ul>	DF2, 4, 7 RM5 SP1-4 N12, 13, 15 A2 G1, 2, 6, 16	<b>k</b> Try It! Video 9	
----------------------	--	--	--	--------------------------	--

278-284

**MON 17<sup>TH</sup> MAY**

Summer term / Week 5	<b>Chapter 11 Volume and Surface Area of Prisms and Cylinders</b>		Workbook 2C Chapter 11 <b>k</b> Chapter 11 introduction video <b>k</b> Chapter 11 online skills test <b>k</b> Chapter 11 end-of-chapter test and mark scheme <b>k</b> Fully-worked solutions: Chapter 11 in Workbook 2C	
	11.1 Views and Nets of Three-dimensional (3D) Shapes	<ul style="list-style-type: none"> <li>visualise and draw sketches of three-dimensional shapes from different views</li> <li>visualise and draw the nets of prisms and cylinders</li> </ul>	DF2, 7 RM5 SP1-4 N12 G15	1098, 1106

**289-295****MON 24<sup>TH</sup> MAY**

Summer term / Week 6	11.2 Volume and Total Surface Area of Prisms	<ul style="list-style-type: none"> <li>calculate the volume and surface area of prisms</li> </ul>	DF2, 4, 7 RM4, 5 SP1-4 N12 A2 G1, 2, 6, 15, 16	<b>k</b> Try It! Videos 3, 5, 6	1107, 1139
----------------------	--	---	---	---------------------------------	------------

**295-303****HALF TERM SAT 29<sup>TH</sup> MAY-SUN 6<sup>TH</sup> JUNE****MON 7<sup>TH</sup> JUNE**

Summer term / Week 7	11.3 Volume and Total Surface Area of Cylinders	<ul style="list-style-type: none"> <li>calculate the volume and surface area of cylinders</li> </ul>	DF2, 4, 7 RM4, 5 SP1-4 N12, 13, 15 A2 G1, 2, 15, 16	<b>k</b> Try It! Videos 8, 9, 11	1107, 1138
----------------------	---	--	--	----------------------------------	------------

**303-310****MON 14<sup>TH</sup> JUNE**

Summer term / Week 8	11.4 Volume and Surface Area of Composite Solids	<ul style="list-style-type: none"> <li>convert between <math>\text{cm}^2</math> and <math>\text{m}^2</math>, and between <math>\text{cm}^3</math> and <math>\text{m}^3</math></li> <li>solve problems involving volume and surface area of composite solids</li> </ul>	DF2, 4, 7 RM5 SP1-4 N12, 13, 15 A2 R1 G1, 2, 6, 15, 16	<b>k</b> Try It! Videos 13, 14, 15	1138, 1139
----------------------	--	--	--	------------------------------------	------------

**310-318****MON 21<sup>ST</sup> JUNE**

Summer term / Week 9	<b>Chapter 12 Statistical Graphs</b>		Workbook 2C Chapter 12 <b>k</b> Chapter 12 introduction video <b>k</b> Chapter 12 online skills test <b>k</b> Chapter 12 end-of-chapter test and mark scheme <b>k</b> Fully-worked solutions: Chapter 12 in Workbook 2C		
	12.1 Line Graphs	<ul style="list-style-type: none"> <li>construct, analyse and interpret line graphs</li> </ul>	DF2, 7 SP1-4 N12 S1, 2	<b>k</b> Try It! Video 2	6018
	12.2 Pie Charts	<ul style="list-style-type: none"> <li>construct, analyse and interpret pie charts</li> </ul>	DF2, 7 SP1-4 N12 G3 S2	<b>k</b> Try It! Video 5	1207

**323-335****MON 28<sup>TH</sup> JUNE**

Summer term / Week 10	12.3 Use and Misuse of Statistical Graphs	<ul style="list-style-type: none"> <li>describe the purposes and appropriateness of use of the different forms of statistical representation, including pictograms and bar charts</li> <li>explain why a given statistical diagram can lead to misinterpretation of data</li> </ul>	DF2, 7 RM4, 7 SP1-4 N12 S2		1251
-----------------------	---	---	--	--	------

335-347

**MON 5<sup>TH</sup> JULY**

Summer term / Week 11	12.4 Scatter Graphs	<ul style="list-style-type: none"> <li>construct, analyse and interpret scatter graphs</li> <li>describe types of correlation for a scatter graph</li> <li>draw a line of best fit on a scatter graph and use it to estimate data values</li> <li>find the equation of a given line of best fit</li> <li>identify and explain outliers</li> </ul>	DF2, 7 RM3 SP1-4 N12 S1, 3	 Try It! Video 11	1213
-----------------------	---------------------	---	--	--	------

347-356

**MON 12<sup>TH</sup> JULY**

Term / Week	Chapter/Chapter Section	Learning Objectives	KS3 Programme of Study Reference	Series Resources (in addition to Student Book 2C)	MyMaths Codes
Summer term / Week 12	<b>Review and assessment:</b> Review Exercise 3		DF2, 7 SP1-4 N12, 13, 15 A2 R1, 8, 10 G1, 2, 7, 12, 15, 16 S1, 2, 3	Workbook 2C Review 3  Fully-worked solutions: Review 3 in Workbook 2C	
	<b>Problems in Real-world Contexts</b>		DF2, 6, 7 RM1, 3, 7 SP1-4 N12, 13 A8, 10, 11 R1, 8, 10 G1, 2 S1, 2, 3		

360-367

**MON 19<sup>TH</sup> JULY****SAT 24<sup>TH</sup> JULY SUMMER HOLIDAYS START**