






## SUMMER TERM DISCOVERING MATHS 2B YEAR 8 2020-21


### TUES 20<sup>TH</sup> APRIL

Summer term / Week 1	Chapter 9 Angles in Quadrilaterals and Polygons			<ul style="list-style-type: none"> <li> Chapter 9 introduction video</li> <li> Chapter 9 online skills test</li> <li> Chapter 9 end of chapter test and mark scheme</li> <li> Fully-worked solutions: Chapter 9 in Workbook 2B</li> </ul>	
	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	Workbook 2B Section 9.1  Try It! videos 2, 3, 4	1102

**253-261**







### 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	Workbook 2B Section 9.2  Try It! videos 5, 8, 11	1100, 1116, 1320
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261-271

### TUES 4<sup>TH</sup> MAY

Summer term / Week 3	Chapter 10 Perimeter and Area of Parallelograms and Trapezia			<ul style="list-style-type: none"> <li> Chapter 10 introduction video</li> <li> Chapter 10 online skills test</li> <li> Chapter 10 end of chapter test and mark scheme</li> <li> Fully-worked solutions: Chapter 10 in Workbook 2B</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	Workbook 2B Section 10.1  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	Workbook 2B Section 10.2  Try It! video 6	1128





276-289

### MON 10<sup>TH</sup> 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	Workbook 2B Section 10.3  Try It! video 8	
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289-295

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

Summer term / Week 5	Chapter 11 Volume and Surface Area of Prisms and Cylinders			<ul style="list-style-type: none"> <li> Chapter 11 introduction video</li> <li> Chapter 11 online skills test</li> <li> Chapter 11 end of chapter test and mark scheme</li> <li> Fully-worked solutions: Chapter 11 in Workbook 2B</li> </ul>	
	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	Workbook 2B Section 11.1	1098, 1106

**300-306**

**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	Workbook 2B Section 11.2 <ul style="list-style-type: none"> <li>Try It! videos 4, 6, 7</li> </ul>	
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**306-314****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 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	Workbook 2B Section 11.3 <ul style="list-style-type: none"> <li>Try It! videos 9, 10, 11</li> </ul>	1107, 1138
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**314-321****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	Workbook 2B Section 11.4 <ul style="list-style-type: none"> <li>Try It! videos 14, 15, 16</li> </ul>	1138, 1139
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**321-329****MON 21<sup>ST</sup> JUNE**

Summer term / Week 9	<b>Chapter 12 Statistical Graphs</b>			<ul style="list-style-type: none"> <li>Chapter 12 introduction video</li> <li>Chapter 12 online skills test</li> <li>Chapter 12 end of chapter test and mark scheme</li> <li>Fully-worked solutions: Chapter 12 in Workbook 2B</li> </ul>	
	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	Workbook 2B Section 12.1 <ul style="list-style-type: none"> <li>Try It! video 3</li> </ul>	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	Workbook 2B Section 12.2 <ul style="list-style-type: none"> <li>Try It! video 6</li> </ul>	1207

**334-347****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	Workbook 2B Section 12.3 <ul style="list-style-type: none"> <li>Try It! video 9</li> </ul>	
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**347-360**

**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	Workbook 2B Section 12.4 k Try It! video 13	1213
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**360-369****MON 12<sup>TH</sup> JULY**

Summer term / Week 12	<b>Review and assessment:</b> Integrated Examples and Review Exercise 3 Problems in Real-world Contexts	<b>Int Ex &amp; Rev Ex 3</b> DF2, 4, 7 RM5, 7 SP1-4 N12, 13, 15 A2, 6 R1 G1, 2, 6, 7, 10, 11, 12, 15, 16 S1, 2, 3 <b>Problems in Real-world Contexts</b> DF2, 6, 7 RM1, 3 SP1-4 N12, 13 A8, 11 R8, 10 G1, 2 S2, 3	Workbook 2B Review 3 k Fully-worked solutions: Review 3 in Workbook 2B	
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**373-384****MON 19<sup>TH</sup> JULY****SAT 24<sup>TH</sup> JULY SUMMER HOLIDAYS START**