SUMMER TERM DISCOVERING MATHS 7C 2020-21

TUES 20TH APRIL

	Chapter 8 Angles, Parallel Lines and Triangles			(k) Chapter 8 introduction video (k) Chapter 8 online skills test (k) Chapter 8 end-of-chapter test and mark scheme Workbook 1C Chapter 8 Graded Question Bank 1, Chapter 8 (k) Fully-worked solutions: Chapter 8 in Workbook 1C, and Graded Question Bank 1	
Summer term / Week 1	8.1 Points, Lines and Planes	• Describe a point, a line, a line segment, a ray and a plane • Construct lines, line segments and angles using geometry software	DF2 RM5 SP1–4 N12 G3, 5, 13		
	8.2 Angles	• Identify different types of angles • Recognise the properties of vertically opposite angles, angles on a straight line and angles at a point	DF2 RM5 SP1–4 N2, 12 G3, 5, 10, 13, 16		1081, 1847, 1989, 1990, 1082

202-214

MON 26TH APRIL

	8.3 Parallel Lines and Transversals	• Recognise the properties of angles formed by parallel lines and transversals • Find unknown marked angles in a diagram using the above properties	DF2 RM5 SP1–4 N12 G5, 11, 13, 16	(k) Try It! video 7	1109, 1102
Summer term / Week 2					

214-221

TUES 4TH MAY

	8.4 Triangles	• Classify triangles based on their sides and angles • Understand the general properties of sides and angles of a triangle • Construct triangles where three sides are given	DF2, 7 RM4, 5 SP1–4 N2, 12 G6, 7, 12, 13, 16	(k) Try It! videos 10, 13	1130, 1082, 1090
Summer term / Week 3					

221-232

MON 10TH MAY

	Chapter 9 Transformations, Symmetry and Congruence			(k) Chapter 9 introduction video (k) Chapter 9 online skills test (k) Chapter 9 end-of-chapter test and mark scheme Workbook 1C Chapter 9 Graded Question Bank 1, Chapter 9 (k) Fully-worked solutions: Chapter 9 in Workbook 1C, and Graded Question Bank 1	
Summer term / Week 4	9.1 Transformations	• Translate, rotate and reflect 2D shapes • Describe translations in vector form • Combine transformations	DF2 RM5 SP1–4 N12 G8	(k) Try It! videos 1, 3, 4	1843, 1127, 1113, 1115, 1839

238-249

MON 17TH MAY

Summer term / Week 5	9.2 Symmetry	• Recognise and describe reflection symmetry of 2D shapes • Recognise and describe rotation symmetry of 2D shapes	DF2, 7 RM5 SP1–4 N12 G5		1230, 1114, 1116
	9.3 Congruence	• Understand the idea of congruence • Match the sides and angles of two congruent shapes	DF2 RM5 SP1–4 N12 G9	**k** Try It! videos 9, 10	1148

249-264

MON 24TH MAY

Summer term / Week 6	**Chapter 10 Perimeter and Area of Triangles and Circles**			**k** Chapter 10 introduction video **k** Chapter 10 online skills test **k** Chapter 10 end-of-chapter test and mark scheme Workbook 1C Chapter 10 Graded Question Bank 1, Chapter 10 **k** Fully-worked solutions: Chapter 10 in Workbook 1C, and Graded Question Bank 1	
	10.1 Perimeter and Area of a triangle	• Find the perimeter and area of a triangle	DF2 RM5 SP1–4 N12 G1, 16	**k** Try It! video 3	1110, 1129
	10.2 Circumference of a Circle	• Find the circumference of a circle • Find the perimeter of a semicircle and a quarter of a circle	DF2 RM5 SP1–4 N12, 13, 15 G2, 7, 16	**k** Try It! video 6	1088

269-279

SAT 29TH MAY-SUN 6TH JUNE   HALF TERM

MON 7TH JUNE

Summer term / Week 7	10.3 Area of a Circle	• Find the area of a circle • Find the area of a semicircle and a quarter of a circle	DF2 RM5 SP1–4 N12, 13, 15 G2, 7, 16	**k** Try It! video 8	1083
	10.4 Perimeter and Area Problems	• Find a length given the perimeter or area of a shape • Solve problems involving perimeters and areas of composite plane figures formed by rectangles, squares, triangles and circles	DF2 RM5 SP1–4 N12, 13, 15 G2, 16	**k** Try It! videos 10, 14	1129, 1088, 1083

279-288

MON 14TH JUNE

Summer term / Week 8	**Chapter 11 Volume and Surface Area of Cuboids, including Cubes**			**k** Chapter 11 introduction video **k** Chapter 11 online skills test **k** Chapter 11 end-of-chapter test and mark scheme Workbook 1C Chapter 11 Graded Question Bank 1, Chapter 11 **k** Fully-worked solutions: Chapter 11 in Workbook 1C and Graded Question Bank 1	
	11.1 Nets of Cuboids, including Cubes	• Draw nets of cuboids, including cubes	DF2, 7 RM5 SP1–4 N12 G15		1106, 1107

293-297

MON 21ST JUNE

Summer term / Week 9	11.2 Surface Area of Cuboids, including Cubes	• Calculate the surface area of cuboids, including cubes	DF2, 7 RM5 SP1–4 N12 G15, 16	Ⓚ Try It! video 3	1107
	11.3 Volume of Cuboids, including Cubes	• Calculate the volume of cuboids, including cubes • Solve problems involving volume and surface area of cuboids, including cubes	DF2, 7 RM5 SP1–4 N12 G1, 16	Ⓚ Try It! video 9	1137

297-305

MON 28TH JUNE

Summer term / Week 10	**Chapter 12 Collecting, Organising and Displaying Data**			Ⓚ Chapter 12 introduction video Ⓚ Chapter 12 online skills test Ⓚ Chapter 12 end-of-chapter test and mark scheme Workbook 1C Chapter 12 Graded Question Bank 1, Chapter 12 Ⓚ Fully-worked solutions: Chapter 12 in Workbook 1C, and Graded Question Bank 1	
	12.1 Collection of Data	• Recognise different methods of collecting data • Identify and write appropriate survey questions	DF2, 7 RM5 SP1–4 N12		1248, 1249

310-315

MON 5TH JULY

Summer term / Week 11	12.2 Organisation of Data	• Organise data • Create frequency tables	DF2, 7 SP1–4 N2, 10, 12 S1, 2	Ⓚ Try It! video 4	1385, 1235, 1193
	12.3 Pictograms, Vertical Line Charts and Bar Charts	• Construct, analyse and interpret pictograms, vertical line charts, bar charts and compound bar charts	DF2, 7 SP1–4 N10, 12 S1, 2	Ⓚ Try It! videos 7, 9	1193, 1205

315-332

MON 12TH JULY

Summer term / Week 12	**Review and assessment:** Review Exercise 3 Problems in Real-world Contexts		**Rev Ex 3** DF2, 7 RM5 SP1–4 N6, 12, 13, 15 A1, 2 G1, 2, 5, 10, 11, 12, 15 S1, 2 **Probs in Real-world Contexts** DF2, 7 RM5, 6 SP1–4 N4, 10, 12, 13, 15 R1, 8 G1, 2, 7, 15 S1	Workbook 1C Review 3

335-344

MON 19TH JULY335-

SAT 24TH JULY SUMMER HOLIDAYS START