

## DM 8C SOW SPRING TERM 2020-21

TUES 5<sup>TH</sup> JAN

Spring term / Week 1	<b>Chapter 5 Algebraic Expressions, Formulae and Proof</b>			Workbook 2C Chapter 5 <b>k</b> Chapter 5 introduction video <b>k</b> Chapter 5 online skills test <b>k</b> Chapter 5 end-of-chapter test and mark scheme <b>k</b> Fully-worked solutions: Chapter 5 in Workbook 2C	
	5.1 Use of Letters in Algebra	<ul style="list-style-type: none"> <li>use letters to represent numbers or variables</li> <li>interpret algebraic notations</li> </ul>	DF2, 3, 4, 6, 7 RM1, 3, 5 SP1-4 N7, 12 A1, 3, 4, 10	<b>k</b> Try It! Videos 1, 6	1158, 1178, 1179
	5.2 Evaluation of Algebraic Expressions and Formulae	<ul style="list-style-type: none"> <li>evaluate algebraic expressions and formulae</li> </ul>	DF2, 3, 4, 6, 7 RM1, 3, 5 SP1-4 N7, 12 A1, 2, 3, 4, 10	<b>k</b> Try It! Videos 10, 11	1158, 1186, 1187

119-129

MON 11<sup>TH</sup> JAN

Spring term / Week 2	5.3 Algebraic Expressions in the Real World	<ul style="list-style-type: none"> <li>express real-world situations in algebraic terms</li> </ul>	DF2, 3, 4, 6, 7 RM1, 3, 5, 6 SP1-4 N5, 7, 12 A1, 3, 4, 6, 10	<b>k</b> Try It! Video 15	1158
	5.4 Simplification of Linear Expressions	<ul style="list-style-type: none"> <li>simplify linear expressions</li> </ul>	DF2, 3, 4, 6, 7 RM1, 3, 5 SP1-4 N5, 12 A1, 2, 3, 4, 10	<b>k</b> Try It! Videos 16, 17, 18	1247

129-140

MON 18<sup>TH</sup> JAN

Spring term / Week 3	5.5 Factorisation by Using Common Factors	<ul style="list-style-type: none"> <li>factorise an algebraic expression by using common factors</li> </ul>	DF2, 3, 4, 5, 6, 7 RM1, 3, 5 SP1-4 N3, 5 A1, 3, 4, 10	<b>k</b> Try It! Videos 19, 22	1155
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140-142

MON 25<sup>TH</sup> JAN

Spring term / Week 4	5.6 Proof	<ul style="list-style-type: none"> <li>prove a statement algebraically</li> </ul>	DF2, 3, 4, 6, 7 RM1, 3, 4, 5 SP1-4 A1, 3, 4, 6, 10	<b>k</b> Try It! Videos 23	1938
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142-145

END OF CHAPTER 5 ON LINE TEST

MON 1<sup>ST</sup> FEB

Spring term / Week 5	<b>Chapter 6 Equations and Inequalities in One Variable</b>			Workbook 2C Chapter 6 <b>k</b> Chapter 6 introduction video <b>k</b> Chapter 6 online skills test <b>k</b> Chapter 6 end-of-chapter test and mark scheme <b>k</b> Fully-worked solutions: Chapter 6 in Workbook 2C	
	6.1 Simple Linear Equations in One Variable	<ul style="list-style-type: none"> <li>understand the concepts of equations and the solution of an equation</li> <li>solve linear equations in one variable</li> </ul>	DF2, 3, 4, 6, 7 RM3, 5 SP1-4 N6, 12 A1, 2, 3, 4, 7	<b>k</b> Try It! Video 6	1154
	6.2 Equations Involving Brackets	<ul style="list-style-type: none"> <li>solve linear equations in one variable involving brackets</li> </ul>	DF2, 3, 4, 6, 7 RM3, 5 SP1-4 N5, 6, 12 A1, 2, 3, 4, 7, 10	<b>k</b> Try It! Video 10	1928

150-156

## MON 8<sup>TH</sup> FEB

Spring term / Week 6	6.3 Simple Fractional Equations	• solve simple fractional equations	DF2, 3, 4, 6, 7 RM3, 5 SP1-4 N5, 6, 12 A1, 2, 3, 4, 7, 10	Try It! Video 14	1929
	6.4 Forming Linear Equations to Solve Problems	• formulate linear equations in one variable to solve problems	DF2, 3, 4, 6, 7 RM3, 5, 6 SP1-4 N5, 6, 12 A1, 3, 4, 6, 7, 10	Try It! Video 18	

156-163

## SAT 13<sup>TH</sup> FEB-SUN 21<sup>ST</sup> FEB HALF TERM

## MON 22<sup>ND</sup> FEB

Spring term / Week 7	6.5 Inequality Relationships	• understand the concept and properties of linear inequalities	DF2, 7 RM3, 5 SP1-4 N2, 6, 12, 16 A1, 3, 10	Try It! Video 20, 21	
Spring term / Week 8	6.6 Solving Inequalities	• solve simple linear inequalities • solve simple problems involving inequalities	DF2, 3, 7 RM3, 5, 6 SP1-4 N2, 5, 6, 12, 16 A1, 3, 4, 6, 10	Try It! Videos 25, 28	

163-174

## END OF CHAPTER 6 ON LINE TEST

## MON 1<sup>ST</sup> MARCH

Spring term / Week 9	<b>Chapter 7 Coordinates and Linear Functions</b>			Workbook 2C Chapter 7 Chapter 7 introduction video Chapter 7 online skills test Chapter 7 end-of-chapter test and mark scheme Fully-worked solutions: Chapter 7 in Workbook 2C	
	7.1 Cartesian Coordinate System	• construct the Cartesian coordinate system in two dimensions and state the coordinates of points on it	DF2, 6 RM5 SP1-4 N2 A8		1092, 1093
	7.2 Idea of a Function	• recognise the idea of functions • plot a graph of a set of ordered pairs as a representation of a relationship between two variables	DF2, 3, 4, 5, 6, 7 RM1, 3, 5 SP1-4 N12, 16 A1, 2, 8, 9, 10	Try It! Video 3	

180-193

## MON 8<sup>TH</sup> MARCH

Spring term / Week 10	7.3 Linear Functions and their Graphs	• recognise linear functions in the form of $y = mx + c$ and draw their graphs	DF2, 3, 4, 5, 6, 7 RM1, 3, 5 SP1-4 N2, 12, 16 A1, 2, 6, 8, 9, 10, 12	Try It! Video 8	1395, 1396
	7.4 Gradients of Linear Graphs	• find the gradient of a linear graph	DF2, 3, 4, 6 RM1, 5 SP1-4 N2, 12 A2, 8, 9, 10, 11	Try It! Videos 10, 13	1153, 1312, 1314

193-212

## END OF CHAPTER 7 ON LINE TEST

## MON 15<sup>TH</sup> MARCH

Spring term / Week 11	Chapter 8 Number Patterns		Workbook 2C Chapter 8 <b>k</b> Chapter 8 introduction video <b>k</b> Chapter 8 online skills test <b>k</b> Chapter 8 end-of-chapter test and mark scheme <b>k</b> Fully-worked solutions: Chapter 8 in Workbook 2C	
	8.1 Number Patterns and Sequences	<ul style="list-style-type: none"> <li>recognise number patterns and sequences</li> <li>find terms of a sequence using a term-to-term rule</li> <li>recognise arithmetic and geometric sequences</li> </ul>	DF2, 7 RM4, 5, 6 SP1-4 N12 A3, 14, 15, 16	1173

217-225

## MON 22<sup>ND</sup> MARCH

Spring term / Week 12	8.2 General Term of a Sequence	<ul style="list-style-type: none"> <li>find terms of a sequence using a position-to-term rule</li> <li>find the formula for the general (<math>n</math>th) term of a sequence</li> <li>solve problems involving number patterns and sequences</li> </ul>	DF2, 3, 4 RM1, 4, 5, 6 SP1-4 N12, 16 A2, 3, 6, 14, 15, 16	<b>k</b> Try It! Videos 7, 9	1165, 1945
	Review and assessment: Review Exercise 2		DF2, 3, 4, 6, 7 RM1, 3, 5, 6 SP1-4 N2, 3, 7, 12 A1, 2, 3, 4, 6, 7, 8, 10, 11, 14, 15 R8 G1	Workbook 2C Review 2 <b>k</b> Fully-worked solutions: Review 2 in Workbook 2C	

225-236

## MON 29<sup>TH</sup> MARCH END OF CHAPTER 8 ON LINE TEST

## FRI 2<sup>ND</sup> APRIL-MON 19<sup>TH</sup> APRIL EASTER HOLIDAYS