

YEAR 9 Edexcel GCSE (9-1) Mathematics Foundation				
TERM	UNIT / LESSON	STEPS (GRADIS) FROM	STEPS (GRADIS) FROM	LEARNING OUTCOME
<b>AUTUMN</b>				
1	04/09/2017	1.1 Calculations	4th (grade 2)	Use priority of operations with positive and negative numbers. Simplify calculations by cancelling. Use inverse operations.
2	11/09/2017			
3	18/09/2017			
4	25/09/2017	1.2 Decimal numbers	3rd (grade 2)	Round to a given number of decimal places. Multiply and divide decimal numbers.
		1.3 Place value	2nd (grade 1)	Write decimal numbers of millions. Round to a given number of significant figures.
		1.4 Factors and multiples	3rd (grade 2)	Estimate answers to calculations. Use line calculations to find the answer to a problem. Recognise 2-digit prime numbers.
		1.5 Squares, cubes and roots	4th (grade 2)	Find factors and multiples of numbers. Find common factors and common multiples of two numbers. Find the HCF and LCM of two numbers by listing.
		1.6 Index notation	4th (grade 2)	Find square roots and cube roots. Recognise powers of 2, 3, 4 and 5. Understand surd notation on a calculator.
		1.7 Prime factors	7th (grade 4)	Write a number as the product of its prime factors. Use prime factor decomposition and Venn diagrams to find the HCF and LCM.
<b>UNIT 1(A) &amp; 1(B) TEST</b>				
<b>TOPIC 17 WILL BE STUDIED BUT NOT YET OFFICIALLY ASSESSED</b>				
5	02/10/2017	17.1 Circumference of a circle 1	5th (grade 3)	Calculate the circumference of a circle.
6	09/10/2017	17.2 Circumference of a circle 2	4th (grade 2)	Solve problems involving the circumference of a circle.
7	16/10/2017	17.3 Area of a circle	4th (grade 2)	Calculate the circumference and radius of a circle. Work out percentage error intervals. Work out the radius or diameter of a circle. Solve problems involving the area of a circle. Give answers in terms of $\pi$ .
		17.4 Semicircles and sectors	6th (grade 3)	Understand and use maths language for circles and perimeters. Work out areas of semicircles and quarter circle and perimeters. Solve problems involving sectors of circles.
		17.5 Composite 2D shapes	7th (grade 4)	Solve problems involving areas and perimeters of 2D shapes.
<b>WINTER</b>				
<b>21/10/2017 HALF TERM</b>				
<b>AUTUMN</b>				
8	30/10/2017	2 Algebra	3rd (grade 2)	7th (grade 4)
9	06/11/2017	2.1 Algebraic expressions	3rd (grade 2)	5th (grade 3)
10	13/11/2017	2.2 Simplifying expressions	4th (grade 2)	7th (grade 4)
		2.3 Substitution	4th (grade 2)	7th (grade 4)
		2.4 Formulae	5th (grade 3)	7th (grade 4)
		2.5 Expanding brackets	4th (grade 2)	7th (grade 4)
		2.6 Factoring	6th (grade 3)	7th (grade 4)
		2.7 Using expressions and formulae	5th (grade 3)	7th (grade 4)
<b>UNIT 2 TEST</b>				
11	20/11/2017	<b>REVISION &amp; TEST OFFICIAL COMBINED UNIT TESTS: 1 &amp; 2</b>		
<b>AUTUMN</b>				
12	27/11/2017	3 Frequency tables	4th (grade 2)	6th (grade 3)
13	04/12/2017	3.2 Two-way tables	4th (grade 2)	6th (grade 3)
		3.3 Representing data	3rd (grade 2)	6th (grade 3)
		3.4 Time series	4th (grade 2)	5th (grade 3)
		3.5 Stem and leaf diagrams	5th (grade 3)	6th (grade 3)
		3.6 Pie charts	3rd (grade 2)	7th (grade 4)
		3.7 Scatter graphs	5th (grade 3)	7th (grade 4)
		3.8 Lines of best fit	6th (grade 3)	7th (grade 4)
<b>UNIT 3 TEST</b>				
14	11/12/2017	<b>PROBLEM-SOLVING ACTIVITIES</b>		

TERM	UNIT / LESSON	STEPS (GRADIS) FROM	STEPS (GRADIS) FROM	LEARNING OUTCOME
<b>SPRING</b>				
15	01/12/2018	4 Fractions and percentages	3rd (grade 2)	7th (grade 4)
16	08/12/2018	4.1 Working with fractions	3rd (grade 2)	6th (grade 3)
17	15/12/2018	4.2 Operations with fractions	4th (grade 2)	7th (grade 4)
		4.3 Multiplying fractions	4th (grade 2)	6th (grade 3)
		4.4 Dividing fractions	5th (grade 3)	7th (grade 4)
		4.5 Fractions and decimals	3rd (grade 2)	5th (grade 3)
		4.6 Fractions and percentages	3rd (grade 2)	6th (grade 3)
		4.7 Calculating percentages 1	4th (grade 2)	6th (grade 3)
		4.8 Calculating percentages 2	4th (grade 2)	6th (grade 3)
<b>UNIT 4 TEST</b>				
<b>SPRING</b>				
18	22/01/2018	5 Equations, inequalities and sequences	3rd (grade 2)	7th (grade 4)
19	29/01/2018	5.1 Solving equations 1	3rd (grade 2)	5th (grade 3)
20	05/02/2018	5.2 Solving equations 2	3rd (grade 2)	6th (grade 3)
		5.3 Solving equations with variation	6th (grade 3)	7th (grade 4)
		5.4 Introducing inequalities	4th (grade 2)	7th (grade 4)
		5.5 More inequalities	5th (grade 3)	7th (grade 4)
		5.6 More formulae	3rd (grade 2)	7th (grade 4)
		5.7 Generating sequences	6th (grade 3)	7th (grade 4)
		5.8 Using the nth term of a sequence		
<b>UNIT 5 TEST</b>				
<b>23/02/2018 HALF TERM</b>				
<b>SPRING</b>				
21	19/02/2018	<b>REVISION &amp; TEST OFFICIAL COMBINED UNIT TESTS: 3, 4 &amp; 5</b>		
22	26/02/2018	6 Angles	3rd (grade 2)	8th (grade 5)
23	05/03/2018	6.1 Properties of shapes	4th (grade 2)	5th (grade 3)
24	12/03/2018	6.2 Angles in parallel lines	5th (grade 3)	6th (grade 3)
		6.3 Angles in triangles	3rd (grade 2)	6th (grade 3)
		6.4 Exterior and interior angles	4th (grade 2)	7th (grade 4)
		6.5 More exterior and interior angles	4th (grade 2)	8th (grade 5)
		6.6 Geometrical patterns	6th (grade 3)	8th (grade 5)
<b>UNIT 6 TEST</b>				
<b>SPRING</b>				
25	19/03/2018	7 Averages and range	2nd (grade 1)	7th (grade 4)
26	26/03/2018	7.1 Mean and range	3rd (grade 2)	4th (grade 3)
		7.2 Mode, median and range	4th (grade 2)	6th (grade 3)
		7.3 Types of average	3rd (grade 1)	6th (grade 3)
		7.4 Estimating the mean	7th (grade 4)	7th (grade 4)
		7.5 Sampling	6th (grade 3)	6th (grade 3)
<b>UNIT 7 TEST</b>				

TERM	UNIT / LESSON	STEPS (GRADIS) FROM	STEPS (GRADIS) FROM	LEARNING OUTCOME
<b>STEPS REFER TO THE 12-STEP PEARSON MODEL</b>				
<b>27/04/2018 HALF TERM</b>				
27	16/04/2018	8 Perimeter, area and volume 1	4th (grade 2)	8th (grade 5)
28	23/04/2018	8.1 Rectangles, parallelograms and rhombuses	6th (grade 3)	6th (grade 3)
29	30/04/2018	8.2 Trapezia and changing units	6th (grade 3)	6th (grade 3)
		8.3 Area of compound shapes	6th (grade 3)	6th (grade 3)
		8.4 Surface area of 3D solids	6th (grade 3)	7th (grade 4)
		8.5 Volume of prisms	4th (grade 2)	7th (grade 4)
		8.6 More volume and surface area	6th (grade 3)	8th (grade 5)
<b>UNIT 8 TEST</b>				
30	07/05/2018	<b>REVISION &amp; TEST OFFICIAL COMBINED UNIT TESTS: 6, 7 &amp; 8</b>		
31	14/05/2018	<b>REVISION FOR END OF YEAR TESTS</b>		
32	21/05/2018	<b>REVISION FOR END OF YEAR TESTS</b>		
<b>20/05/2018 HALF TERM</b>				
33	04/06/2018	<b>REVISION FOR END OF YEAR TESTS</b>		
34	11/06/2018	<b>REVISION FOR END OF YEAR TESTS</b>		
35	18/06/2018	<b>REVISION FOR END OF YEAR TESTS</b>		
36	25/06/2018	<b>END OF YEAR TESTS: NON-CALCULATOR &amp; CALCULATOR</b>		
37	02/07/2018	<b>MAYFIELD HIGH INVESTIGATION</b>		
38	09/07/2018	<b>MAYFIELD HIGH INVESTIGATION</b>		
39	16/07/2018	<b>FEEDBACK FROM END OF YEAR TESTS</b>		
40	23/07/2018	<b>FEEDBACK FROM END OF YEAR TESTS</b>		