Wk.	YEAR 10	Edexcel GCSE (9-1) Mathematics Foundation			
	TERM	UNIT / LESSON	STEPS (GRADES) FROM …	STEPS (GRADES) FROM …	LEARNING OUTCOME
	AUTUMN	**9 Graphs**	2nd (grade 1)	8th (grade 5)	
1	04/09/2017	9.1 Coordinates	4th (grade 2)	6th (grade 3)	Find the midpoint of a line segment. Recognise, name and plot straight-line graphs parallel to the axes.
2	11/09/2017				
3	18/09/2017	9.2 Linear graphs	4th (grade 2)	6th (grade 3)	Generate and plot coordinates from a rule. Plot straight-line graphs from tables of values. Draw graphs to represent relationships.
4	25/09/2017				
		9.3 Gradient	2nd (grade 1)	7th (grade 4)	Find the gradient of a line. Identify and interpret the gradient from an equation. Understand that parallel lines have the same gradient.
		9.4 y = mx + c	7th (grade 4)	7th (grade 4)	Understand what m and c represent in y = mx + c. Find the equations of straight-line graphs. Sketch graphs given the values of m and c.
		9.5 Real-life graphs	3rd (grade 2)	7th (grade 4)	Draw and interpret graphs from real data.
		9.6 Distance-time graphs	6th (grade 3)	8th (grade 5)	Use distance–time graphs to solve problems. Draw distance–time graphs. Interpret rate of change graphs.
		9.7 More real-life graphs 9.7 More real-life graphs **UNIT 9 TEST**			Draw and interpret a range of graphs. Understand when predictions are reliable. Draw and interpret a range of graphs. Understand when predictions are reliable.
	AUTUMN	**10 Transformations**	4th (grade 2)	7th (grade 4)	
5	02/10/2017	10.1 Translation	7th (grade 4)	7th (grade 4)	Translate a shape on a coordinate grid. Use a column vector to describe a translation.
6	09/10/2017				
7	16/10/2017				
		10.2 Reflection	4th (grade 2)	7th (grade 4)	Draw a reflection of a shape in a mirror line. Draw reflections on a coordinate grid. Describe reflections on a coordinate grid.
		10.3 Rotation	6th (grade 3)	7th (grade 4)	Rotate a shape on a coordinate grid. Describe a rotation.
		10.4 Enlargement	5th (grade 3)	6th (grade 3)	Enlarge a shape by a scale factor. Enlarge a shape using a centre of enlargement.
		10.5 Describing enlargements	6th (grade 3)	6th (grade 3)	Identify the scale factor of an enlargement. Find the centre of enlargement. Describe an enlargement.
		10.6 Combining transformations **UNIT 10 TEST**	7th (grade 4)	7th (grade 4)	Transform shapes using more than one transformation. Describe combined transformations of shapes on a grid.

	23/10/2017	HALF TERM			
8	30/10/2017	**PROBLEM-SOLVING ACTIVITIES**			
	AUTUMN	**11 Ratio and proportion**	4th (grade 2)	8th (grade 5)	
9	06/11/2017	11.1 Writing ratios	4th (grade 2)	5th (grade 3)	Use ratio notation.
10	13/11/2017				Write a ratio in its simplest form.
11	20/11/2017				Solve problems using ratios.
		11.2 Using ratios 1	4th (grade 2)	6th (grade 3)	Solve simple problems using ratios.
		11.3 Ratios and measures	4th (grade 2)	7th (grade 4)	Use ratios to convert between units.
					Write and use ratios for shapes and their enlargements.
		11.4 Using ratios 2	6th (grade 3)	8th (grade 5)	Divide a quantity into 2 parts in a given ratio. Divide a quantity into 3 parts in a given ratio. Solve word problems using ratios.
		11.5 Comparing using ratios	6th (grade 3)	7th (grade 4)	Use ratios involving decimals. Compare ratios. Solve ratio and proportion problems.
		11.6 Using proportion	6th (grade 3)	6th (grade 3)	Use the unitary method to solve proportion problems. Solve proportion problems in words. Work out which product is better value for money.
		11.7 Proportion and graphs	6th (grade 3)	7th (grade 4)	Recognise and use direct proportion on a graph. Understand the link between the unit ratio and the gradient.
		11.8 Proportion problems			Recognise different types of proportion.
		UNIT 11 TEST			Solve word problems involving direct and inverse proportion.
12	27/11/2017	**REVISION & TEST**	**OFFICIAL COMBINED UNIT TESTS: 9, 10 & 11**		
13	04/12/2017	**YEAR 10 WORK EXPERIENCE**			
14	11/12/2017	**YEAR 10 WORK EXPERIENCE**			