

Maths Long Term Plan Year 11 Foundation

Temperance Term

W/C									
	1	2	3	4	5	6	7		
	Ratio and Proportion				Geometry 2				
Area of Study									
Core learning	Ratio To use ratio notation to write ratios for diagrams and word statements and to simplify ratios. To divide a quantity into two or more part given a specified ratio and to write the division of quantities into parts as a ratio. To use a unitary method to solve ratio and proportion problems and relate ratios to fractions and linear functions in order to solve problems, including real-life ones such as conversion and scaling.	Proportion To use direct proportion to solve problems. To use the unitary method to solve proportion problems. To solve direct proportion questions graphically. To solve direct proportion questions using algebraic manipulation. To solve inverse proportion questions, based on y = 1/x.	Growth and Decay To calculate with simple growth, such as simple interested rate. To calculate with compund growth, such as compound interest rates. To solve word problems using simple and/or compound growth. To calculate with simple decay, such as depreciation. To solve word problems using simple and/or compound decay, such as depreciation. To solve word problems using simple and/or compound decay.	about the properties of 3D objects. To work with 2D representations of 3D objects. To construct and interpret plans and elevations of 3D objects.	Units and Measure To convert metric units for capacity, mass and length. To convert metric units of area and volume. To understand units of time and solve metric. To understand units of time are not metric. To convert units of time and solve for convert convert compound measurements. To convert compound measurements. To use formulate: s = df, d = m/v and p = f/a, to find a given value for the other two. To read and use scales on maps including both line/b to form scales to construct scale drawings. To read and use bearings in scale drawings.	To calculate the surface area of prims (including cylinders). To calculate the volume and surface area of a cone. To calculate the volume and surface area of a sphere. To calculate the volume and surface area of a sphere. To calculate the volume and surface area of a sphere. To find the volume and surface area of a pyramid. To find the volume and surface area of a pyramid. It is a surface area of a pyramid. To find the volume and surface area of a pyramid.		HALF TERM	
	Opportunities for Challenge: Open middle, goal free, exam questions, "by example", SSDD are good resources but always choose problems based on the current topic.								
Assessment		Mocks?			Progress check				
W/C	8	9	10	11	12	13			
		Algek	ora 3		Revision	for mocks			
Area of study									
Core learning	To sketch graphs from linear equations in the form of yems+e. To find the equation of a straight-line using gradient and points on the line. To identify lines that are parallel by considering their equations. To find the equation of a line parallel to a given line (perhaps passing through a known point). To solve problems involving straight-line graphs. Solve problems involving straight-line graphs. To jot and sketch graphs from given to recognize the problems involving straight from given to straight line graph as a rate of change. Straight line graph as a rate of change. To ketch parallel to a given line (perhaps passing through a known point). To solve problems involving straight-line graphs.		raight-line graphs. It functions i.e. parabolas. rom the x-intercept of the parabola of the graph. adratic equations. als and their graphs. als of numbers and plot functions involving m to their equations.			CHRISTMAS			
Opportuni	Opportunity for Challenge: Open middle, goal free, exam questions, "by example", SSDD are good resources but always choose problems based on the current topic.								
Assessment		Progress check		Progress check		Mocks			



Maths Long Term Plan Year 11 Foundation

Justice Term

W/C	14	15	16	17	18	19		
Area of study								
Core learning							HALF TERM	
	Opportunity for Challenge: Op	en middle, goal free, exam o	questions, "by example", SSDD	are good resources but always	choose problems based on the	e current topic.		
Assessment								
W/C	21	22	23	24	25	26		
Area of study								
Core learning							EASTER	
Opportunity for Challenge: Open middle, goal free, exam questions, "by example", SSDD are good resources but always choose problems based on the current topic.								
Assessment								



Maths Long Term Plan Year 11 Foundation

Courage Term

W/C	27	28	29	30	31	31		
Area of study								
Core learning	Opportunity for Challenge: Or	nen middle goal free evam o	ulections "hy eyamnle" SSDD	are good resources but always	chasse problems based on th	a current tonic	HALF TERM	
	Opportunity for Chanenge. Of	Jen middie, godi nee, exam c	uestions, by example , 3300	are good resources but aiways	s choose problems based on the	e current topic.		
Assessment								
W/C	32	33	34	35	36	37		
Area of study								
Core learning							SUMMER	
Opportunity for Challenge: Open middle, goal free, exam questions, "by example", SSDD are good resources but always choose problems based on the current topic.								
Assessment								