rriculum Co	ntent Man							Subject: Year 11 Maths - Foundation						
ricululii Col	пент мар			Terr	m 1			Subject: Year 11 Maths - Foundation Term 2					Term 3	
Month			September	October	November	December	January	February	March	April	May			
	ž		Rounding and Error Intervals NUMBER	Ratio and Proportion RATIO	Percentages and compound measure	Constructions, Loci and Bearings	Probability	Perimeter, Area and Volume 2	Fractions, Indices and Standard Form	Congruence, Similarity and Vectors	More Algebra			
	š		NOMBER	RATIO	NUMBER	SHAPE	DATA	SHAPE	Direct and inverse proportion	SHAPE	ALGEBRA			
	ts of		2) Pythagoras and Trigonometry	2) Quadratic Equations and Graphs					NUMBER					
	Ē		SHAPE	ALGEBRA										
$\overline{}$			1) "round to the correct 10's, 100's, 1000's,	"calculate values and identify multiplier	"calculate percentage increase, percentage	"compare lengths, areas and volumes using	"apply the property that the probabilities of	"identify and apply circle definitions and	"calculate with roots, and with integer	"interpret and use fractional scale factors for	"solve two simultaneous equations in two			
			decimals place, whole number and significant	based off given ratios" "share	decreaase, reverse percentages"	ratio notation and/or scale factors; make links	an exhaustive set of mutually exclusive events	properties, including: centre, radius, chord,	indices"	enlargements"	variables (linear/linear) algebraically; find			
			figures" "estimate solution by rounding to one significant figure"	value between ratio and solve recipe questions"	"calculate simple and compoudn interest" "convert between related compound units	to similarity (including trigonometric ratios)"	sum to one"	diameter, circumference, tangent, arc, sector and segment"	"calculate exactly with fractions and multiples	"annly the concents of conscious and	approximate solutions using a graph" "Find the equation of a straight line"			
			rounding to one significant rigure	"factorising quadratic expressions of the		"construct and interpret plans and elevations	"use a probability model to predict the	and segment	of n"	similarity, including the relationships between	"Find equations of perpendicular and parallel			
			2) "apply Pythagoras' Theorem and	form ax2+bx+c, including the difference of two	in numerical and algebraic contexts"	of 3D shapes"	outcomes of future experiments; understand			lengths, in similar figures"	lines"			
	KS4		trigonometric ratios to find angles and lengths in right-angled triangles in two dimensional	squares"	"set up, solve and interpret the answers in	"interpret and use bearings"	that empirical unbiased samples tend towards theoretical probability distributions, with	sectors of circles"	"calculate with numbers in standard form Ax10^n, where 1 ≤ A < 10 and n is an integer"	"describe translations as 2D vectors"				
	ea		figures"	"identify and interpret roots, intercepts and			increasing sample size"	"calculate surface areas and volumes of	"interpret equations that describe direct and					
	a ar			turning points of quadratic functions graphically; deduce roots algebraically"	compound interest"		"calculate the probability of independent	spheres, pyramids, cones and composite	inverse proportion"	"apply addition and subtraction of vectors, multiplication of vectors by a scalar, and				
	를			graphically, deduce roots algebraically			combined events, including using tree			diagrammatic and column representations of				
	i i			"solve quadratic equations algebraically by			diagrams and other representations, and			vectors"				
	Ja C			factorising; find approximate solutions using a graph"	1		know the underlying assumptions"							
\subseteq	aţio													
0	z			"recognise, sketch and interpret graphs of linear functions, quadratic functions,										
5				simplecubic functions, the reciprocal function	-									
Transmission				"plot and interpret graphs (including										
				reciprocal graphs (and exponential graphs)"			I				1			
⊆			Knowledge of rounding	1)Multiplicative skills 2)	Percentage increase/decrease	Plans and Elevations	Tree Diagrams	Semi-circles	Laws of Indices	Similar Shapes	Find the equation of a straight line			
5	agpa		1, Mowieuge of Founding	Expand double brackets, including square	Percentage increase/decrease Percentage change	Scale Drawings	Siagrains	Sectors Sectors	Writing Standard Form	Congruency	Solving simultaneous equations graphically			
E	owle		2) Trigonometry	single brackets	Reverse percentage	Accurate Drawings	I	Pyramids	Calculating with Standard Form	Vectors	and algebraically			
10	Ž.	The What!		Plotting quadratic graphs Solving quadratic equations using a graph	Compound/simple interest Speeed/distance/time	Angles Loci		Cones Spheres	Direct and inverse proportion		Rearranging formulae Straight line graphs			
\vdash	otive .			Factorising quadratic expressions				Composite 3D shapes						
	bsta			Solving quadratic expressions through factorising Cubic										
Cultural	3			& Reciprocal Graphs										
	~		1) Understanding place value	Multiplying algebraic terms Drawing a plotting graphs	Understanding multipliers and percentage increase/decrease	Drawing 2D and 3D shapes Understanding ratio & proportion	Drawing & completing diagrams	Using formulae Understanding pi	Understanding powers	Understanding ratio & proportion Understanding co-ordinates and translation	Drawing & Plotting Graphs Substitution			
	inar) edge		2) Using formulae / formula triangles	Using Common Factors	Understanding Compound Interest, Growth &			Understanding pi	powers of 10	Understanding co-ordinates and translation	Simultaneous equations			
	owk	The How!		Solving equations	Decay	Using a ruler			Using Direct & Inverse Proportion Formulae					
コ ー	돌호				Understandig Compound Measures	Using a protractor								
∪ ⊦		2	1) Builds from KS3:	Builds from Y10:	Builds from KS3:	Builds from KS3:	Builds from KS3:	Builds from Y10:	Builds from KS3:	Builds from KS3:	Builds from Y10:			
	(wo	nsio		Equations	Multiplicative Reasoning	Constructing Triangles		Perimeter	Indices	Comparing Shapes	Algebra Skills			
	8 E	Exte	operations	Graphs	Builds from Y10:	Builds from Y10:	Probability Experimental Probability	Area Volume	Standard Form	Builds from Y10:				
	incir	8	2) Builds from Y10:		Number calculations	Transformations	Venn Diagrams		Builds from Y10:	Angles				
	ed ne	riev	Indices		Fractions Percentages	Angle Rules			Indices Fractions	Transformations				
L	S	Rei												
			 Deep Mark 1: End of Topic Test - Rounding and Estimation 	Deep Mark 2: Homework	Deep Mark 1: AP1 Assessment (Mock) - Whole School Data Collection	Deep Mark 2: Homework	Deep Mark 2: Homework	Deep Mark 2: Homework	Deep Mark 1: AP3 Assessment (Mock) - Whole School Data Collection	le Deep Mark 2: Homework	Deep Mark 1: Homework			
	ative nen1		Homework	1) End of Topic Test - Ratio & Proportion		End of Topic Test - Constructions, Loci &	End of Topic Test - Probability	End of Topic Test - Perimeter, Area & Volume		End of Topic Test - Congruence, Similarity &	End of Topic Test - More Algebra			
	mmsessr		2) End of Topic Test - Right-Angled Triangles	Homework	End of Topic Test - Multiplication Reasoning	Bearings	Homework	2	End of Topic Test - Fractions, Indices & Standard Form	Vectors				
	Su		Homework	2) End of Topic Test - Algebra and Graphs	Homework				Saladio i omi					
				Homework		+			Homework					
	e e		Friendliness & Civility	Justice & Truthfulness Courage	Sauran	Generosity	Gratitude	Good Speech	Good Temper & Humour	Self.I	Mastery	Compassion	Good Sense	
¥	ž		Friendiness & Civility	Justice & Trutificiness	Courage	defierosity	Gratitude	Good Speech	Good Temper & Humour	Self	viastery	Compassion	Good Selise	
_ ਦੂ ⊦	-		Students will look at the friendliness of	Students will look at the truthfulness hehind	Students will demonstrate courage as they	Students will look at the generosity of shapes	Students will show gratitude for the work	Students will demonstrate good speech as	Students will need to control their temper and	d Students looked at congruency and similarity	Students will spend this last topic ensuring			
Personal		reflect, think	estimating correct calculations.	ratio and proportion and how truthfulness is	complete a functional skills task on	and how space can be generous when	they've completed in Year 10 to ensure they	they discuss the formulae for area and	demonstrate good humour as they extend	in Year 10 so this topic is about mastering	they have mastered their algebra skills in			
	g g	deeply and critically about an	2) Students will demonstrate friendliness by	used in algebra	mortgages. Students will also look at direct and inverse proportion using formulae, which	constructing shapes.	understand how probability is applied to real life situations	volumes of different shapes, especially as they move onto circles.	their fractions knowledge, which they can find increasingly difficult.	d those skills and extending them into vectors	preparation for their upcoming exams.			
8 g	Ϋ́	issue.	working closely together to support		will require courage to persevere.		ille sicuacions	move onto circles.	increasingly difficult.	SKIIIS.				
ᇤ	ž.		development of problem-solving as they calculate with Pythagoras' Theorem and											
_	5		Trigonometry.											
_	_													
2	Ski		Listening	Leadership	Problem-Solving	Creativity	Staying Positive	Speaking	Staying Positive	Aim	ng High	Speaking	Teamwork	
ฐ 🍃 ├		ij		Students will look at the relationship hetween	Students will regularly use problem-solving	The majority of this topic is based on drawing	Students will need to stay positive as they	Students will demonstrate good sneaking skills	Students often find fractions a difficult tonic	Vectors are considered a high-grade skill at	Students will be aiming high as they			
		- 75	1&2) Students will have discussions where			and creativity as students accurately	calculate the probability of mutually exclusive	as they discuss the formulae for area and	so will need to stay positive and demonstrate	Foundation tier and so students will need to	consolidate and extend their algebra skills in			
5 6			1&2) Students will have discussions where they listen to each other and then feedback	algebra and leadership.			ovents	volumes of different shapes, especially as they	resilience as they work through increasingly	aim high as they tackle this new skill.	final preparations for their exams.			
Work	Skill	era	they listen to each other and then feedback their partner's views rather than their own.	algebra and leadership. This unit links to careers in research as well as	formulae and deriving formulae from other	represent pictures and also challenge	This unit links to careers in the government		difficult problems	Additionally students will need to aim high a				
Work	ık to Skill	Transfera	they listen to each other and then feedback their partner's views rather than their own. Unit 1 links to careers in banking and finance. Unit 2 links to careers in architecture, design	algebra and leadership. This unit links to careers in research as well as	formulae and deriving formulae from other methods. This unit links to careers in healthcare,	themselves to draw more difficult shapes using the constructions they have learned.	This unit links to careers in the government.	move onto circles. This unit links to careers in design, planning	difficult problems. This unit links to careers in science.	Additionally, students will need to aim high as they focus on building their similarity skills to				
Preparati Work	Link to Skill	Transfera	they listen to each other and then feedback their partner's views rather than their own. Unit 1 links to careers in banking and finance.	algebra and leadership. This unit links to careers in research as well as	formulae and deriving formulae from other methods.	themselves to draw more difficult shapes using the constructions they have learned. This unit links to careers in art and design as	This unit links to careers in the government.	move onto circles.		they focus on building their similarity skills to extend to similar area and volume.				
Preparation Work	Link to Skill	Transfera	they listen to each other and then feedback their partner's views rather than their own. Unit 1 links to careers in banking and finance. Unit 2 links to careers in architecture, design	algebra and leadership. This unit links to careers in research as well as	formulae and deriving formulae from other methods. This unit links to careers in healthcare,	themselves to draw more difficult shapes using the constructions they have learned.	This unit links to careers in the government.	move onto circles. This unit links to careers in design, planning		they focus on building their similarity skills to				
	sh Link to Skill es	Transfera	they listen to each other and then feedback their partner's views rather than their own. Unit 1 links to careers in banking and finance. Unit 2 links to careers in architecture, design	algebra and leadership. This unit links to careers in research as well as an analysis Social	formulae and deriving formulae from other methods. This unit links to careers in healthcare, accountancy and supply chains. Social	themselves to draw more difficult shapes using the constructions they have learned. This until links to careers in art and design as well as navigation.	This unit links to careers in the government. Social	move onto circles. This unit links to careers in design, planning		they focus on building their similarity skills to extend to similar area and volume.	and computing. Social			
	MSC & Link to Skill alues	Transfera	they listen to each other and then feedback their partner's views rather than their own. Unit 1 links to careers in banking and finance. Unit 2 links to careers in architecture, design and construction.	algebra and leadership. This unit links to careers in research as well as an analysis	formulae and deriving formulae from other methods. This unit links to careers in healthcare, accountancy and supply chains.	themselves to draw more difficult shapes using the constructions they have learned. This unit links to careers in art and design as well as navigation.	Social	move onto circles. This unit links to careers in design, planning and construction. Social	This unit links to careers in science. Social	they focus on building their similarity skills to extend to similar area and volume. This unit links to careers in navigation and geography. Social	and computing.			
	SMSC & British Link to Skill Values	ent issues Transfero	they listen to each other and then feedback their partners' sviews rather than their own. Unit 1 links to careers in banking and finance. Unit 2 links to careers in architecture, design and construction. Social Mutual Respect	algebra and leadership. This unit links to careers in research as well as an analysis Social Moral Democracy	formulae and deriving formulae from other methods. This unit links to careers in healthcare, accountancy and supply chains. Social Moral Rule of Law	themselves to draw more difficult shapes using the constructions they have learned. This unit links to careers in art and design as well as navigation. Social Cultural Tolerance	Social Rule of Law	move onto circles. This until links careers in design, planning and construction. Social Individual Liberty	This unit links to careers in science. Social Tolerance	they focus on building their similarity skills to extend to similar area and volume. This unit links to careers in navigation and recorachy. Social Mutual Respect	and computing. Social Moral Rule of Law			
on for Preparation . hip Work	SMSC & British Link to Skill Values	ent issues Transfero	they listen to each other and then feedback their partner's views rather than their own. Unit 1 links to careers in banking and finance. Unit 2 links to careers in architecture, design and construction. Social Mutual Respect Students will use their social skills to	algebra and leadership. This unit links to careers in research as well as an analysis Social Moral Democracy Students will use their social skills as they	formulae and deriving formulae from other methods. This unit links to careers in healthcare, accountancy and supply chains. Social Morail Rule of Law Students will use their social skills to support	themselves to draw more difficult shapes using the constructions they have learned. This unit links to careers in art and design as well as navigation. Social Cultural Tolerance Students will use their social skills to support	Social Rule of Law Students will need to use their social skills as	move onto circles. This until links careers in design, planning and construction. Social Individual Liberty Students will use their social skills to work	This unit links to careers in science. Social Tolerance Students will use their social skills to work	they focus on building their similarity skills to extend to similar area and volume. This unit links to careers in navigation and secoraphy. Social Mutual Respect Students will use their social skills to work	and computing. Social Moral Rule of Law Students will use their social skills to support			
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	SMSC & Smitish Values British Values	ent issues Transfero	they listen to each other and then feedback their partner's views rather than their own. Unit 1 links to careers in banking and finance. Unit 2 links to careers in architecture, design and construction. Social Mutual Respect Students will use their social skills to demonstrate friendliness & civility as they work through paired and group work. Students will show mutual respect for each other as they work, even when they disagree	algebra and leadership. This unit links to careers in research as well as an analysis Social Moral Democracy Students will use their social skills as they work on paired and group activities. Students will discuss the way proportion is used in real life. Students will investigate ratio in terms of links.	formulae and deriving formulae from other methods. This unit links to careers in healthcare, accountancy and supply chains. Social Moral Students will use their social skills to support each other to build on previous learning through paired and group work. Students will oak at the moral consequences of interest, particularly pay-day loans.	themselves to draw more difficult shapes using the constructions they have learned. This unit links to careers in art and design as well as navigation. Social Cultural Tolerance Students will use their social skills to support each other when construction accurate drawings, especially in the use of specialist equipment. Students will look at how different cultures	Social Rule of Law Students will need to use their social skills as they work together in group activities. Students will need to understand the rules and processes associated with filling in and	move onto circles. This until links careers in design, planning and construction. Social Individual Liberty Students will use their social skills to work together in paired and group activities. Students will understand their individual liberty to choose which is the appropriate	This unit links to careers in science. Social Tolerance Students will use their social skills to work together in pairs and groups when working through bigger problems. Students will need to demonstrate tolerance as they are patient enough to allow all	they focus on building their similarity skills to extend to similar area and volume. This unit links to careers in navigation and secorachy. Social Mutual Respect Students will use their social skills to work together in solving similarity problems in paired and group activities. Students will show mutual respect throughou this topic as each progresses at an individual	and computing. Social Moral Rule of Law Students will use their social skills to support each other through the final topic as the algebra they tackle gets more difficult. Students will look at the moral repercussions of not helping each other.			