Maths Year 10 foundation curriculum map



Year 10	T1	T2	ТЗ	T4	Т5	Т6
Content /	Number skills	Fractions	Collecting and	Indices and	Sequences	Real life graphs and
Topic for	Calculations and types of	Decimals	representing data	Standard Form	Statistical	measures
Term	number	Percentages	Pythagoras and	Perimeter and	Measures	Transformations
	Basic algebra	Solving equations	Trigonometry	Area	Probability	Constructions and loci
	Properties of shapes and	and inequalities	Ratio and	Volume		
	angles	Linear graphs	proportion	Circles		
Кеу	 What BIDMAS stands 	 Define the term 	 Know the terms 	 Define SIF 	 Recognise 	 Steps needed to
knowledge	for	improper and	discrete,	• Use a calculator	triangular,	construct an
for	 Understand directed 	mixed fractions	continuous,	for SIF and	square, cube	SSS/ASA/SAS triangle
acquisition,	numbers in context	 Basic FDP 	quantitative and	interpret the	numbers	 Define the term loci
recall and	 Place value of a 	conversions	qualitative	display in SIF	 Recognise 	 Recognise types of
application	number	 Formula for 	Use proportion to	 Define a 	different types	conversion graph
in	 Prime numbers up to 	percentage	compare pie	compound	of sequence	 Imperial and metric
assessment	100	change	charts	shape	• Define mean/	units
or exam	• Definitions of LCM and	 How to find a 	 Describe types of 	 Know the 	median/ mode	 Formula triangle for
	HCF	multiplier	correlation	formulae for 2D	and range	S/D/T
	 That estimation links 	 Define profit 	 Define mean, 	and 3D shapes	• Define the	 Units of measure for
	to significant figures	and loss in	median, mode	 Label the parts 	midpoint of two	length/area/volume
	 Important buttons on 	context	and range	of a circle	points	 General equation of
	a calculator	 Define simple 	 Steps to find the 	 Define and 	 Difference 	a line y=mx+c
	 Define identity, 	and compound	mean from a	recognise a	between relative	 Four types of
	equation, expression	interest	frequency table	prism	and	transformations and
	and formula	 Steps to solve 	• Know Pythagoras'	 Know the 	experimental	key aspects of each
	How to identify factors	one and two-	Theorem	difference	probability	• Describe a vector and
	 Basic angle facts 	step equations	• Know	between area/	Recognise a	how to denote it
	 Properties of 	 Define integer 	SOHCAHTOA	surface area	frequency tree,	
	triangles/quadrilaterals		ratios	and volume	tree diagram,	



	 Formula for interior angles in a polygon Formula for exterior angles of a polygon Three rules of bearings 	 How to form an inequality and use correct notation Define and use gradient and intercepts Define the terms parallel and 	 Define depression and elevation Difference between direct and inverse proportion How to recognise the graphs of 	• Formula for density/ mass and volume	sample space and Venn diagram • Define independent, dependent, exhaustive, mutually exclusive events	
		perpendicular	direct and inverse proportion			
Key skills to apply in assessment or exam	 Apply the rules of BIDMAS to a calculation Solve four operations to directed numbers Provide an estimate using rounding Calculate a missing bearing using three rules 	 Use a multiplier to solve a percentage calculation Solve an inequality Plot a table of values Find the equations of parallel and perpendicular lines 	 Calculate the mean, median, mode and range from a list Calculate the mean, median, mode and range from a table Use Pythagoras' Theorem to find a missing side Use SOHCAHTOA to find a missing side/angle Read off a conversion graph Solve a direct or inverse 	 Convert between SIF and ordinary numbers Apply the four rules of operations to SIF Calculate the area/perimeter/ volume of a 2D/3D shape using the formulae Use formula triangle for M/D/V 	 Find the nth term of a linear sequence Calculate the mean/median/ mode/ range from a list or table Calculate the midpoint using averages Interpret and construct a frequency tree Use laws of probability to solve a problem Use Venn diagrams/sample 	 Use protractor and compasses to construct triangles Use protractor and compasses to construct perpendicular bisector/angle bisector/loci Use gradient/area under a graph Interpret conversion graphs Use S/D/T to solve problems Calculate the rate of change from a distance/time graph



			proportion		spaces/frequency	Perform four
			problem		trees and tree	different
					diagrams to solve	transformations and
					a probability	recognise a
					problem	transformation
						 Use tracing paper for
						rotations and
						reflections
						 Apply vectors to all
						four operations and
						geometrical
						problems
Title of	Basic number and	Inequalities	Representing data	Indices	Sequences	Shape transformations
Organiser	decimais	Calculating with	Pythagoras'	Standard form	Summarising fata	Loci and constructions
organiser	Properties of polygons	nercentages	Theorem	Standard form	Summansing rata	
		percentages	meorem	Volume		Real life graphs
			Right-angled			
			trigonometry			