		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10	Торіс	Percentages:	Formulae:	Linear graph and Real-	Compound	Foundation	Foundation
		Students develop	Students to build on	life graphs:	measures:		
		their understanding	their understanding	Student to learn	Students to cover	Sequences:	Rounding:
		compound interest,	solving equations	finding equation of a	nets, area and	Students learn to	Students will use
		growth and	and learn to change	straight line, parallel	compound area of	write the nth term	their previous
		depreciation. The	the subject of the	lines, perpendicular	simple shapes, area	for arithmetic and	knowledge of
		building blocks	given formulae. The	lines and plot linear	and circumference	geometric	rounding integers
		leading to this	building blocks	graphs. They will also	of circles, density	sequence. They will	and decimals using
		understanding	leading to this	learn to interpret and	and pressure	also learn to write	significant figures to
		would be	understanding	use real-life linear	calculations and	the next few terms	further understand
		calculations	would be knowing	graphs. The building	area of sectors and	of these type of	develop their
		involving fractions	how to solve	blocks leading to this	segments. The	sequences.	understanding of
		and percentages.	equations.	understanding would	building blocks		error intervals.
				be knowing how to	leading to this	Data Handling:	
		Surface Area and		plot coordinates and	understanding	Students will	Indices:
		Volume:	Trigonometry:	plotting simple linear	would be knowing	understand about	Student will learn
		Students learn to	Students understand	graphs.	how to convert units	sampling and bias	index rules and
		find the volume and	the use of sin, cos		from one to	using their previous	apply these to solve
		surface area of	and tan and use	Set notation and Venn	another.	knowledge of direct	both positive and
		pyramids, cones,	these to find	Diagrams:		proportion	negative indices.
		spheres, frustums,	unknown sides and	Students learn and	Ratio:		They will further
		composite shapes.	angles in right	understand the set	Students learn to	Proportion:	understand how to
		The building blocks	angles triangles.	notation and how to	combine ratios,	Students will further	simplify expressions
		leading to this	They will also learn	apply these to	change ratios to	develop knowledge	using index laws.
		understanding	to use exact	interpret and draw	simplest form and	about direct and	
		would be finding the	trigonometric	Venn diagrams. The	calculate ratios	inverse proportion,	Brackets:
		surface area and	values, find angles of	building blocks leading	using algebra. The	they will learn to	Students will learn
		volume of simple 3D	elevation and angle	to this understanding	building blocks	interpret these	to expand double
		shapes.	of depression. The	would be a strong	leading to this	equations and	brackets, factorising
			building blocks	knowledge about	understanding	graphs.	quadratic equations

	Simultaneous	leading to this	fractions, decimals and	would be knowing	Transformations:	and solving these.
	Equations:	understanding	percentages and	how to write simple	Students will apply	The building blocks
	Students further	would be knowing	probability.	ratios, use	and further deepen	leading to this
	develop their	how to measure and		equivalent ratios to	their knowledge of	understanding
	understanding of	draw bearings.	Tree diagrams:	find unknown	reflection,	would be knowing
	solving simultaneous		Students will learn to	amounts, sharing	translation, rotation	how to use algebraic
	equations using	Constructions:	tree diagrams for	amounts in a given	and enlargement by	notation, simplify
	elimination,	Students learn to	independent and	ratio and converting	a positive scale	expressions by
	substitution and	construct angle	dependent events.	between fractions,	factor.	collecting like terms
	graphically. The	bisectors,	The building blocks	decimals and		and expand single
	building blocks	perpendicular	leading to this	percentages.	Exam question	brackets.
	leading to this	bisectors and	understanding would		practice through the	
	understanding	develop further on	be knowing how to	Further Graphs:	Very Important	Handling data and
	would be knowing	constructing loci.	multiply and add	Students will	Questions booklet.	statistical diagrams:
	how to solve simple	The building blocks	fractions.	develop their		Students will learn
	equations.	leading to this		understanding	Higher	to draw and
		understanding	Exam question	about velocity-time		interpret stem and
	Exam question	would be knowing	practice through the	graphs, they will	Sequences:	leaf diagrams, line
	practice through the	how to use a	Very Important	learn to plot them	Students learn to	graphs and
	Very Important	compass and a	Questions booklet.	and calculate	write the nth term	frequency polygons.
	Questions booklet.	protractor.		acceleration using	for quadratic and	The building blocks
				these. The building	geometric	leading to this
		Exam question		blocks leading to	sequence. They will	understanding
		practice through the		this understanding	also learn to write	would be knowing
		Very Important		would be knowing	the next few terms	how to draw and
		Questions booklet.		how to interpret	of these type of	interpret bar charts.
				distance-time	sequences and will	
				graphs, calculations	also explore special	Exam question
				with speed.	sequence types.	practice through the
						Very Important
					Data Handling:	Questions booklet.
					Students will	
					understand about	

		Exam question	sampling and bias	Higher
		practice through the	using their previous	
		Very Important	knowledge of direct	Rounding:
		Questions booklet.	proportion. They	Students will use
			will also take this	their previous
			further into capture-	knowledge of error
			recapture problems.	intervals to work
				with bounds
			Proportion:	
			Students will further	Indices:
			develop knowledge	Student will use
			about direct and	their previous
			inverse proportion,	knowledge of index
			they will learn to	rules and apply
			interpret these	these to estimate
			equations and	roots and powers,
			graphs and also to	fractional and
			construct these	negative indices.
			equations. They will	
			also look at graphs	Recurring decimals:
			of reciprocal	Students will learn
			functions.	to convert fractions
				to recurring
			Transformations:	decimals and vice
			Students will apply	versa. The building
			and further deepen	blocks leading to this
			their knowledge of	understanding
			reflection,	would be knowing
			translation, rotation	how to use a written
			and enlargement by	method to divide
			a positive and	with decimals.
			negative scale	
			factor.	

					Exam question practice through the Very Important Questions booklet.	Brackets: Students will learn to expand triple brackets, factorising quadratic equations and solving these. The building blocks leading to this understanding would be knowing how to expand double brackets and simple factorisation. Handling data and statistical diagrams: Students will learn to draw and interpret box plots. The building blocks leading to this
						double brackets and
						simple factorisation.
						Handling data and statistical diagrams: Students will learn to draw and interpret box plots. The building blocks leading to this understanding would be knowing how to calculate median, range and quartiles.
						Exam question
						Verv Important
						Questions booklet.
Assessment	Half Term 1a	End of Term	Half Term 2a	End of Term	Half Term 3a	Year 10 Maths Pre
	Assessment	Assessment	Assessment	Assessment	Assessment	Mock Examination

Year 11 High	٤P	Sparx Maths set every week to support classroom learning. Checkpoints to be facilitated using SPARX revision booklets, supported by Very Important Questions studied in class. Number Patterns:	Sparx Maths set every week to support classroom learning. Checkpoints to be facilitated using SPARX revision booklets, supported by Very Important Questions studied in class.	Sparx Maths set every week to support classroom learning. Checkpoints to be facilitated using SPARX revision booklets, supported by Very Important Questions studied in class.	Sparx Maths set every week to support classroom learning. Checkpoints to be facilitated using SPARX revision booklets, supported by Very Important Questions studied in class. 3D Geometry:	Sparx Maths set every week to support classroom learning. Checkpoints to be facilitated using SPARX revision booklets, supported by Very Important Questions studied in class. Revision:	Sparx Maths set every week to support classroom learning. Checkpoints to be facilitated using SPARX revision booklets, supported by Very Important Questions studied in class.
Top	pic	Students to recognise number patterns, find the nth term of both linear and quadratic sequences and to solve problems involving iteration. Graphs: Student to draw straight line graphs, find gradients, find the midpoint and equations between two coordinates, understand parallel and perpendicular lines and solve simultaneous	Transformations: Students to reflect, enlarge, rotate and translate objects around a coordinate grid to find the image or describe the transformation. Students to understand and use congruence and similarity in problems. Variation: Student to understand direct and inverse proportion, form equations for both	Students to show inequalities on a number line, solve inequality equations, quadratic inequalities, graph inequalities and shade inequality regions on graphs. Using Graphs: Students to transform graphs of functions, find composite functions, find inverse functions, find the area under a graph and find the gradient of the tangent to a curve.	Students to solve Pythagoras and trigonometry in three dimensions. Vectors: Student to understand column vectors, adding and subtraction of vectors and solve problems involving vector geometry. Revision: Key topic revision and completion of past papers in class.	Key topic revision and completion of past papers in class.	

	equations using graphs. Loci and Transformations: Students to construct triangles, angle bisector, perpendicular bisector and loci of points.	and represent graphically.	Revision of Trigonometry: Students to revise trigonometry and problems involving the ensine and cosine rule.		
Foundation Topic	Number Patterns:Students torecognise numberpatterns and findthe nth term of alinear sequence.Graphs:Student to drawstraight line graphs,find gradients, findthe midpoint andequations betweentwo coordinates.Loci andTransformations:Students toconstruct triangles,angle bisector,perpendicularbisectors.	Loci and Transformations: Students to reflect, enlarge, rotate and translate objects around a coordinate grid to find the image or describe the transformation. Students to understand and use congruence and basic similarity in problems. Variation: Student to understand direct and inverse proportion problems.	Inequalities: Students to show inequalities on a number line and solve inequality equations. Revision: Key topic revision and completion of past papers in class.	Revision: Key topic revision and completion of past papers in class.	Revision: Key topic revision and completion of past papers in class.

Assessment	Half Term 1a	Year 11 Nov/Dec	Half Term 2a	Year 11 March	Summer GCSE
	Assessment (H or F)	Mock Exam	Assessment (H or F)	Mock Exam	Exams Begin
PREP	Sparx Maths set	Sparx Maths set	Sparx Maths set every	Sparx Maths set	Set Past Papers
	every week to	every week to	week to support	every week to	
	support classroom	support classroom	classroom learning.	support classroom	
	learning.	learning.	Checkpoints CP22 H/F	learning.	
	Checkpoints CP17	Checkpoints CP20	(Variation/Proportion),	Checkpoints CP25H	
	H/F (Number	H/F (Construction	CP23 H/F (Inequalities)	(3D Pythagoras and	
	Patterns), CP18 H/F	and Loci) and CP21	and CP24H (Using	Trig) or CP25F	
	(Graphs) and CP19	H/F	Graphs) or CP24F	(Mixed Revision 2)	
	H/F (Further Graphs)	(Transformations)	(Mixed Revision 1) due	due every other	
	due every other	due every other	every other week,	week, supported by	
	week, supported by	week, supported by	supported by Very	Very Important	
	Very Important	Very Important	Important Questions	Questions studied in	
	Questions studied in	Questions studied in	studied in class.	class.	
	class.	class.			
				Set Past Papers	