

Subject area: Mathematics Year 10 Foundation

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics	Calculating Space 1	Mathematical Movement 1	Pattern Sniffing	Conjecturing	Solving Equations 2	Mathematical Movement 2
	Space 1	Wovernent 1	Jillillig	Algebra:	Equations 2	Movement 2
	Calculating	Algebra: Quadratics	Solving Inequalities	Graphs	Probability	Visualising and construction
	Solving	Quadratics	inequalities	Calculating:	Presentation of	construction
	Equations 1	Proportional	Calculating	Fractions,	Data	Revision of key
		Reasoning	Space 2	Decimals and		concepts as
				Percentages		identified from
						assessments
Assessment	Year 10 Test 1	Year 10 Test 2	Year 10 Test 3	Year 10 Test 4	Year 10 Test 5	Mock Exams
	Hegarty	Hegarty	Hegarty	Hegarty	Hegarty	(Calc & Non-Calc)
	Homeworks	Homeworks	Homeworks	Homeworks	Homeworks	Hegarty
	Mini-Tests	Mini-Tests	Mini-Tests	Mini-Tests	Mini-Tests	Homeworks
						Mini-Tests
H/W	Hegarty Maths	Hegarty Maths	Hegarty Maths	Hegarty Maths	Hegarty Maths	Hegarty Maths
	Worksheets	Worksheets	Worksheets	Worksheets	Worksheets	Worksheets
	Half Exam	Half Exam Papers	Half Exam	Half Exam Papers	Half Exam Papers	Half Exam Papers
	Papers		Papers			

Response to	Ol A from provious years learning to identify gons in knowledge						
COVID	QLA from previous years learning to identify gaps in knowledge						
33.1.2	Regular GCSE testing to identify gaps in knowledge						
	Targetted starters to address gaps in knowledge						
	Hegarty homework based on gaps in knowledge						
	Calculate with roots and integer indices						
Building on	Manipulate algebraic expressions by expanding the product of two binomials						
prior	• Manipulate algebraic expressions by factorising a quadratic expression of the form $x^2 + bx + c$						
learning	Understand and use the gradient of a straight line to solve problems						
	Solve two linear simultaneous equations algebraically and graphically						
	Plot and interpret graphs of quadratic functions						
	Change freely between compound units						
	• Use ruler and compass methods to construct the perpendicular bisector of a line segment and to bise						
	an angle						
	Solve problems involving similar shapes						
	$ullet$ Calculate exactly with multiples of π						
	Apply Pythagoras' theorem in two dimensions						
	Use geometrical reasoning to construct simple proofs						
	Use tree diagrams to list outcomes						
Enrichment	National Mathematics Challenge for students who show very good problem solving skills.						
within	Maths Challenges and House Competitions						
the Curriculum	Hegarty Leader Board						
Extracurricular	Lunchtime support offered where students require extra help.						
opportunities							
Positive	In Maths lessons students are always encouraged to delve deeper into their understanding of Mathematics						
impacting on personal	and how it relates to the world around them.						
development	Problem solving skills and teamwork are fundamental to Mathematics, through creative thinking,						
(SMSC)	discussion, explaining and presenting ideas. Students are always encouraged to develop their Mathematical						
	reasoning skills, communicating with others and explaining concepts to each other. Self and peer reviewing						
	are very important to enable students to have an accurate grasp of where they are and how they need to						
	improve.						
Preparing for	Development of topics in the areas of Number, Ratio and Proportion, Algebra, Geometry and Statistics						
the next							
stage of							
education							



Ways to support your child's learning

Check student planner / SPACE for Maths homework and support them with this.

Access to commercial websites, have many resources and videos for you to help support your child's learning and revision for assessments.

Numeracy can be developed adding totals during a supermarket shop, working with percentages in shop sales etc.

Useful Websites:

Hegarty Maths- https://hegartymaths.com/
Corbettmaths- www.corbettmaths.com/
Mymaths- https://www.mymaths.co.uk/

BBC Bitesize- https://www.bbc.co.uk/bitesize/examspecs/z9p3mnb

Mathsgenie- https://www.mathsgenie.co.uk/gcse.html

Mathsbot- https://mathsbot.com/

Maths Made Easy- https://mathsmadeeasy.co.uk/

On Maths- https://www.onmaths.com/

Exam Solutions https://www.examsolutions.net/gcse-maths/

Study Maths- https://studymaths.co.uk/

Assessment Tracking

Test	Date	Percentage