

	Term	Foundation	Term	Higher	
		Year 9		Year 9	
	Autumn 1	Unit of work: Unit 1 - (number)		Unit of work: Unit 1 - (number)	
	Literacy / numeracy foci:	Assessment objectives:	Autumn 1	Assessment objectives:	
	Emphasis on the difference between	Calculations with decimals	Literacy / numeracy foci:	Estimation	
	factor, multiple and prime factor	Find factors, multiples and primes	Emphasis on the difference between factor,	Find factors, multiples and primes	
	Identify square, cube and prime	Squares, cubes and roots	multiple and prime factor	Calculating with powers	
	numbers	Index notation and prime factors	Rational and irrational numbers	Surds and rationalising	
	Homework	Enrichment/life and work skills:		Enrichment/life and work skills:	
	Hegartymaths including 'mem-ri' tasks	Shop transactions	Homework	Estimation used when measuring distance in space with a scientific	
		Working with wages	Hegartymaths including 'mem-ri' tasks	context	
	Revisiting, revising, remembering	Accounting – completing balance sheets or similar		Surds link to A level maths study	
	opportunities:	accounting sheets	Revisiting, revising, remembering	Squares and roots will link to Pythagoras theorem which is taught	
	Starters based on previously covered	Squares and roots will link to Pythagoras theorem	opportunities:		
		Assessments:	Starters based on previously covered topics	later in the year Assessments:	
	topics from KS3 to be done	2 unit tests and 1 half term test	from KS3 to be done	2 unit tests and 1 half term test	
			Autumn 2	Unit of work: Unit 2 - Algebra	
	Autumn 2	Unit of work: Unit 2 - Algebra	<u>Literacy / numeracy foci:</u>	Assessment objectives:	
	Literacy / numeracy foci:	Assessment objectives:		Solving equations including quadratics	
	Key algebraic terms such as expression	Working with algebraic expressions	Key algebraic terms such as expression and	Substitution into formulae	
	and equation	Substitution into formulae	equation	Expanding and factorising	
	Understanding what method to use for	Expanding and factorising	Identifying linear and quadratic equations as	Sequences	
	when manipulating expressions		well as sequences	Enrichment/life and work skills:	
	Homework	Enrichment/life and work skills:		Substitution into formulae links with application within science	
	Hegartymaths including 'mem-ri' tasks	Substitution into formulae links with application	Homework	Jobs that typically involved maths and science e.g. Cryptologists and	
	Tasks to be set based on previous unit	within science	Hegartymaths including 'mem-ri' tasks	Astronomers	
	also	Jobs that typically involved maths and science e.g.	Tasks to be set based on previous unit also		
		Cryptologists and Astronomers		Lesson based on <u>deciphering code</u> Derive equations and solve real life problems	
	Revisiting, revising, remembering	Lesson based on <u>deciphering code</u>	Revisiting, revising, remembering		
	opportunities:	Assessments:	opportunities:	<u>'The lift problem' - inequality to understand how to determine lift</u>	
	Starters based on previously covered	2 unit tests and 1 half term test (includes previous	Starters based on previously covered topics	safety as a job	
	topics to be done	units)	to be done	Sequences for real life events	
	Formula/knowledge tests to be		Formula/knowledge tests to be conducted	Assessments:	
	conducted within lesson		within lesson	2 unit tests and 1 half term test (includes previous units)	
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Term	Foundation	Term	Higher		
	Year 9		Year 9		
Spring 1	Unit of work: Unit 3 – Graphs	Spring 1	Unit of work: Unit 3 – Interpreting data		
Literacy / numeracy foci:	Unit 4 – Fractions and percentages	Literacy / numeracy foci:	Unit 4 – Fractions, ratio and percentages		
Keywords for describing fractions	Assessment objectives:	Differentiating between types of	Assessment objectives:		
Writing descriptions for correlation	Representing data (Bar charts, line graphs)	averages	Representing data (Bar charts, line graphs)		
	Stem and leaf diagrams and pie charts	Worded problem solving including	Averages and range from tables		
Homework	Scatter graphs and lines of best fit	percentages, ratio and fractions	Scatter graphs and lines of best fit		
Hegartymaths including 'mem-ri' tasks	Operations with fractions	Homework	Calculations with percentages, ratio and fractions		
Homework sheet based on different graphs	Calculations with percentages	Hegartymaths including 'mem-ri' tasks	Enrichment/life and work skills:		
	Enrichment/life and work skills:	Tasks to be set based on previous unit	Averages applied to real life scenarios and different		
Revisiting, revising, remembering	Data analyst career taste		professions		
opportunities:	real life understanding of scatter graphs	Revisiting, revising, remembering	Data analyst career taste		
Starters based on previously covered topics	Shopping with sales on items	opportunities:	real life understanding of scatter graphs		
to be done	Loan repayment including finding interest	Starters based on previously covered	Ratio linked with food tech.		
Formula/knowledge tests to be conducted	Assessments: 2 unit tests and 1 half term test	topics to be done	Loan repayment including finding interest		
within lesson	(includes previous units)	Formula/knowledge tests to be conducted	Scatter graphs on real data - linked to geography		
		within lesson	Assessments: 2 unit tests and 1 half term test (includes		
Spring 2	Unit of work: Unit 5 – Equations,		previous units)		
Literacy / numeracy foci:	inequalities and sequences	Spring 2	Unit of work: Unit 5 – Angles and trigonometery		
Key algebraic terms such as expression and	Assessment objectives:	Literacy / numeracy foci:	Assessment objectives:		
equation	Solving equations	Terminology for angles and formulas	Interior and exterior angles		
Arithmetic and geometric sequences	Introduction to inequalities	Sine, Cosine and Tangent	Pythagoras theorem and trigonometry		
	Generating sequences, finding the nth term		Enrichment/life and work skills:		
Homework	Enrichment/life and work skills:	Homework	Develop investigation skills with investigation interior and		
Hegartymaths including 'mem-ri' tasks	Sequences for real life events	Hegartymaths including 'mem-ri' tasks	exterior angles		
Tasks to be set based on previous unit	Solving links to many other topics including	Tasks to be set based on previous unit	Pythagoras linked into DT		
	Pythagoras and trig. and finding parallel lines		Real life application of trigonometry		
Revisiting, revising, remembering	Derive equations and solve real life problems	Revisiting, revising, remembering	Assessments:		
opportunities:	<u>'The lift problem' - inequality to understand how to</u>	opportunities:	2 unit test and 1 half term test (includes previous units)		
Starters based on previously covered topics	determine lift safety as a job	Starters based on previously covered			
to be done	Assessments:	topics to be done			
Formula/knowledge tests to be conducted	1 unit test and 1 half term test (includes previous units)	Formula/knowledge tests to be conducted			
within lesson		within lesson			
	The prograssive inclusive curriculum (skills know	uladaa and concentes literacy life skill	la and anrichment'		

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Term	Foundation	Term	Higher	
	Year 9		Year 9	
Summer 1	Unit of work: unit 6 – angles	Summer 1	Unit of work: unit 6 – Graphs	
Literacy / numeracy foci:	unit 7 – averages and range	Literacy / numeracy foci:	unit 7 – Area and Volume	
Differentiating between types of averages	Assessment objectives:	Terminology for different graphs (e.g.	Assessment objectives:	
Parallel and perpendicular	Angles in parallel lines and triangles	parabola)	Linear and quadratic graphs	
Terminology for angles and formulas	Exterior and interior angles	Formulas for more complex shapes	Real life graphs	
	Averages and range	Worded problems to identify when to	Surface area and volume of 3D shapes including cylinders	
Homework	Enrichment/life and work skills:	work with volume and surface area	Enrichment/life and work skills:	
Hegartymaths including 'mem-ri' tasks	Develop investigation skills with investigation interior		Linked into geography - rainforest data handling with area	
Tasks to be set based on previous unit	and exterior angles	<u>Homework</u>	Graph plotting linked to science and astronomy	
	Links to bearings and mechanics at A levels	Hegartymaths including 'mem-ri' tasks	DIY with area for flooring	
Revisiting, revising, remembering	Averages applied to real life scenarios and different	Tasks to be set based on previous units	Designer job - group activity that demonstrates the real life	
opportunities:	professions		application of drawing, surface area and volume	
Starters based on previously covered topics	Assessments:	Revisiting, revising, remembering	Assessments:	
to be done	2 unit tests and 1 half term test (includes previous	opportunities:	2 unit tests and 1 half term test (includes previous units)	
Formula/knowledge tests to be conducted	units)	Starters based on previously covered		
within lesson		topics to be done		
Summer 2	Unit of work: unit 8 – Perimeter, area and volume	Formula/knowledge tests to be conducted		
Literacy / numeracy foci:	GCSE Assessment objectives:	within lesson		
Names of 3d shapes and mathematical	Area of rectangles, triangles, trapeziums and	Summer 2	Unit of work: unit 8 – Transformation and constructions	
terms to describe them	parallelograms	Literacy / numeracy foci:	GCSE Assessment objectives:	
Properties of shapes and their formulas	Area of compound shapes	Differentiating between transformations	Rotate, enlarge, translate and reflect 2D shapes	
	Surface area of 3D solids	Use of scale factor	Bearings and scale drawings	
<u>Homework</u>	Volume of 3D solids		Constructions and Loci	
Hegartymaths including 'mem-ri' tasks	Enrichment/life and work skills:	<u>Homework</u>	Enrichment/life and work skills:	
Tasks to be set based on previous unit	DIY with area for flooring	Hegartymaths including 'mem-ri' tasks	Ability to think about maths in real life situations by <u>spotting</u>	
	Heavy links with DIY work for example knowing much	Tasks to be set based on previous unit	rotations and describing them	
Revisiting, revising, remembering	paint is needed to paint a room by knowing the surface		Reading maps - linked into geography	
opportunities:	area	Revisiting, revising, remembering	Build engineering skills by <u>designing your own theme park</u>	
Starters based on previously covered topics	Designer job - group activity that demonstrates the real	opportunities:	Assessments:	
to be done	life application of drawing, surface area and volume	Starters based on previously covered	2 unit test and 1 end of year test (includes previous units)	
Formula/knowledge tests to be conducted	Assessments:	topics to be done		
within lesson	1 unit test and 1 end of year test (includes previous	Formula/knowledge tests to be conducted		
	units) The progressive, inclusive curriculum (skills, know	within lesson	le and envictment?	

# **YEAR 10**



Term	Foundation	Term	Higher		
	Year 10		Year 10		
A shares a	Unit of work: Unit 9 – Graphs				
Autumn 1	·	Autumn 1	Unit of work: Unit 9 – equations and inequalities		
Literacy / numeracy foci:	Unit 10 - Transformation	Literacy / numeracy foci:	Assessment objectives:		
Terminology for different graphs (e.g.	Assessment objectives:	Highlight the difference between equations	Solving quadratics including inequalities		
parabola)	Linear and quadratic graphs	and inequalities	Solving linear and non-linear simultaneous equations		
Differentiating between	Real life graphs	Identifying simultaneous equations from	Enrichment/life and work skills:		
transformations	Rotate, enlarge, translate and reflect 2D shapes	worded problems and shape questions	Derive equations and solve real life problems		
	Enrichment/life and work skills:	worded problems and shape questions	'The lift problem' - inequality to understand how to determine lift		
Homework	Linked into geography - rainforest data handling	Hemework	safety as a job		
Hegartymaths including 'mem-ri' tasks	with area	Homework	Leads to Economical mathematics at degree level which includes		
	Graph plotting linked to science and astronomy	Hegartymaths including 'mem-ri' tasks	-		
Revisiting, revising, remembering	spotting rotations and describing them		non-linear simultaneous		
	Assessments:	Revisiting, revising, remembering	Skills learnt through solving simultaneous equations can be applied		
opportunities:	2 unit tests and 1 half term test	opportunities:	to real life scenarios		
Starters based on previously covered		Starters based on previously covered topics	Assessments:		
topics from year 9 to be done		from year 9 to be done	2 unit tests and 1 half term test		
Autumn 2	Unit of work: Unit 11 – Ratio and proportion	Autumn 2	Unit of work: Unit 10 – Probability		
Literacy / numeracy foci:	Assessment objectives:	Literacy / numeracy foci:	Unit 11– multiplicative reasoning		
Different words used for 'share'	Sharing and simplifying ratio	Terms in probability (e.g. mutual exclusive)	Assessment objectives:		
Worded proportion and ratio questions	Ratio and measures	When to apply direct and inverse proportion	Experimental probability		
	Proportion problems	in a worded context	Venn and Tree diagrams		
to emphasise when to apply what	Enrichment/life and work skills:	Converting between measurements	Direct and inverse proportion		
method	Ratio linked with food tech.		Growth and decay		
	Converting measurements applied to different	Homework	Speed, distance and time (compound measures)		
Homework	scenarios in life and different professions	Hegartymaths including 'mem-ri' tasks	Enrichment/life and work skills:		
Hegartymaths including 'mem-ri' tasks			Rock paper scissors activity - probability can be applied to common		
Tasks to be set based on previous units	Linked in with area and volume questions	Tasks to be set based on previous unit also	activities		
	Assessments:		Probability linked to science through theory and experimenting		
Revisiting, revising, remembering	2 unit tests and 1 half term test (includes previous	Revisiting, revising, remembering	Comparing loans and deciding on the best option		
opportunities:	units)	opportunities:			
Starters based on previously covered		Starters based on previously covered topics	Speed, distance and time will help with planning journeys and		
topics to be done		to be done	understanding ETAs		
Formula/knowledge tests to be		Formula/knowledge tests to be conducted	Assessments:		
conducted within lesson		within lesson	2 unit tests and 1 half term test (includes previous units)		



Term         Head         Head           Satiss 1         Section 2         Unit of work: Unit 12 – Right angle triangles         Assessment objectives:         Unit of work: Unit 12 – Similarity and congruence           Terminology used in Pythagons and the give of a length congruence in a short and longer length use trig ratios to find the size of a length use trig ratis to bes that				
Satisfield     Unit of work: Unit 12 – Right angle triangles     Satisfield     Unit of work: Unit 12 – Right angle triangles       Heary/ rumeracy/foci:     Phythagoras storem to find a short and longer length (see, copp. adj and hyp)     Use tig ratios to find the size of a nength     Unit of work: Unit 12 – Similarly name componentry       Heary/ rumeracy/foci:     Pythagoras theorem to find a short and longer length     Use tig ratios to find the size of a nength     Unit of work: Unit 12 – Right angle triangles       Heary/ rumeracy/foci:     Pythagoras theorem to find a short and longer length     Use tig ratios to find the size of a nength     Pythagoras theorem and tig ratios to find the size of a nength       Heary/ rumeracy/foci:     Terminolog/nonentry     Carcers that use Pythagoras theorem     Pythagoras theorem and tig ratios to find the size of a nength       Starters based on previously covered conducted within lesson     Int of work: Unit 13 – Probability     Heary with including 'mem-rif tasks     Trig spapite do non-right angle triangles       Starters based on previously covered conducted within lesson     Unit of work: Unit 13 – Probability     Heary with including 'mem-rif tasks     Trig spapite do non-right angle triangles       Starters based on previously covered conducted within lesson     Unit of work: Unit 13 – Probability     Heary with including 'mem-rif tasks     Trig spapite and interpreting spapita and coing rule spapitad to common at livities       Partier task to be stabed on previously covered conducted within lesson     Unit of work: Unit 13 – Probability Unit of w	Term	Foundation	Term	Higher
Literacy / numeracy foi:Assessment objective:Unit 13 - more trigonometryTerminology used in Pythagoras and rangetPythagoras theorem to find a short an angleScale factor incontext of similar shapesPythagoras theorem and trig ratios to find the size of an angleHeneworkEncinement/fiel and work skills:Encinement/fiel and work skills:Scale factor incontext of similar shapesScale factor incontext of similar shapesHeneworkEncinement/fiel and work skills:Encinement/fiel and work skills:Transformig trig graphsHeasting, revising, remembering and previous y coverdPythagoras linked into DTEncinement/fiel and work skills:Starter based on previous y coverdPythagoras linked into DTEncinement/fiel and work skills:Formula/nowledge tests to be conducted within lessonDiri of work: Unit 13 - ProbabilityPythagoras linked into DTStarter based on previous y coverd big tests to be conducted within lessonDiri of work: Unit 13 - ProbabilityPythagoras linked into DTStarter based on previous worksNorther trigonometryRestifier and trigonometryRestifier and trigonometryIderacy / numerax foci:Unit of work: Unit 13 - ProbabilityPythagoras linked into DTRestifier and trigonometryIderacy / numerax foci:Unit of work: Unit 13 - ProbabilityPythagoras linked into DTRestifier and trigonometryIderacy / numerax foci:Unit of work: Unit 13 - ProbabilityPythagoras linked into DTRestifier and trigonometryIderacy / numerax foci:Nonwledge tests to be conducted withinRestifier and trigonometryRestifier and trigonometry <th></th> <th>Year 10</th> <th></th> <th>Year 10</th>		Year 10		Year 10
Terminology used in Pythagoras and rai ratios (e.g. opp. and and typ)Pythagoras thorem to find a short and longer length Use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length use trig ratios to find the size of a length 	Spring 1	Unit of work: Unit 12 – Right angle triangles	Spring 1	Unit of work: Unit 12 – Similarity and congruence
ratioUse trig ratios to find the size of a lengthTerminology used for further trigonometry (nom- nght angle trig)Pythagoras theorem and trig ratios to find lengthSine, Cosine and TangetUse trig ratios to find the size of an angleSimilar single strig)Similar single trigHeigary maths including 'mem-ri' taskPythagoras theorem and trig ratios to find the size of an angleSimilar single strigSimilar single trigHeigary maths including 'mem-ri' taskPythagoras theorem and trig ratios to find the size of an angleHeigary maths including 'mem-ri' taskSimilar single trigStarters based on previous y covered topics to be donePythagoras theorem and trig ratios to find the size of an angleHeigary maths including 'mem-ri' tasksFind movis kills:Starters based on previous y covered topics to be doneDint of work: Unit 13 – ProbabilityHeigary maths including 'mem-ri' tasksRevisiting, revising, remembering opportunities: starters based on previous y covered topics to be doneRevisiting, revising, remembering opportunities:Revisiting, revising, remembering opportunities: starters based on previous y covered topics to be doneNind for work: Unit 13 – Probability Unit 14 – Multiplicative reasoningRevisiting, revising, remembering assessment solectives: Toma and revisition and revisitionStrig rapite tail topics revisition and revisitionNind for work: Unit 14 – Multiplicative reasoning tails to previous units)Strig rapite tailsNind for work: Unit 14 – Multiplicative reasoning tails to previous units)Strig rapite tail terray fortiNind for work: while strig rapite tails to motionStrig rapite tailsS	Literacy / numeracy foci:	Assessment objectives:	Literacy / numeracy foci:	Unit 13 – more trigonometry
Sine, Cosine and TargentUse tig ratios to find the size of an angle Enchament/life and work skills: Previous units Resisting, revising, remembering poportunities; Startes based on previous/ covered topics to be doneSimilarity in 2D and 3D shapes Transforming trug graphs Transforming trug graphs <br< th=""><th>Terminology used in Pythagoras and trig</th><th>Pythagoras theorem to find a short and longer length</th><th>Scale factor in context of similar shapes</th><th>Assessment objectives:</th></br<>	Terminology used in Pythagoras and trig	Pythagoras theorem to find a short and longer length	Scale factor in context of similar shapes	Assessment objectives:
HomeworkFinichment/life and work skills:Price approximation of trigonometryTrig applied to non-right angle trianglesPrice approximation of trigonometryPrice approximation of trigonometryPrice application of trigonometryPrice application of trigonometryCareers that use Pythaporas TheoremAssessments: 2 unit tests and 1 haff term test (includePrice application of trigonometryPrice application of trigonometryCareers that use Pythaporas TheoremAssessments: 2 unit tests and 1 haff term test (includePrice application of trigonometryPrice application of trigonometryCareers that use Pythaporas TheoremAssessments: 2 unit tests and 1 haff term test (includePrice application of trigonometryPrice application of trigonometryCareers that use Pythaporas TheoremAssessments: 2 unit tests and 1 haff term test (includePrice application of trigonometryPrice application of trigonometryCareers that use Pythaporas TheoremAssessments: 2 unit tests and 1 haff term test (includesPrice application of trigonometryPrice application of trigonometryCareers that use Pythaporas TheoremAssessment S: 2 unit tests and 1 haff term test (includesPrice application of trigonometryPrice application of trigonometryPrimap Pythaporas TheoremPrice application of trigonometryPrice application of trigonometryPrice application of trigonometryPrimap Pythaporas TheoremPythaporas TheoremPrice application of trigonometryPrice application of trigonometryPrimap Pythaporas TheoremPythaporas TheoremPythaporas TheoremPythaporas TheoremPythaporas TheoremPytha	ratios (e.g. opp, adj and hyp)	Use trig ratios to find the size of a length	Terminology used for further trigonometry (non-	Pythagoras theorem and trig ratios to find length
Hegetymaths including 'mem-ri' tasks Tasks to be set based on previous units Real life application of trigonometry Real life application of trigonometry Real life application of trigonometry Real life application of trigonometry Real life applications of trigonometry Real life appl	Sine, Cosine and Tangent	Use trig ratios to find the size of an angle	right angle trig)	Similarity in 2D and 3D shapes
Tasks to be set based on previous units Resisting, resising, remembering opportunities Statters based on previous/ covered topics to be done formula/knowledge tests to be conducted within lessonHegartymaths including 'mem-ri' tasksEnrichment/life and work skills: Tig, remembering opportunities Statters based on previous/ covered topics to be done formula/knowledge tests to be conducted within lessonEnrichment/life and work skills: Phaparas linked into DT Real life applications Phaparas linked into DT Real life applicationsEnrichment/life and work skills: Phaparas linked into DT Real life applications Phaparas linked into DT Real life applicationsPermula/knowledge tests to be conducted within lessonUnit of work: Unit 13 - Probability Unit 14 - Multiplicative reasoning Assessment bigcitives: Experimental probability Venn and Tree diagrams Speed, distance and time Speed, distance and time Speed, distance and time Speed, distance and time Speed, distance and time will help with planning protoability Linked to science through theory and experimenting poportunities; Nowledge tests to be conducted within lessonHiteracy / numeracy focl: Key terms for knowing when to use which method for Resisting, rewising, remembering opportunities; Now and decay Speed, distance and time Nock paper scisors activity - probability can be speed, distance and time will help with planning paper scisors activity - probability can be speed, distance and time will help with planning paper scisors activity - probability can be speed, distance and time will help with planning paper scisors activity - probability can be speed, distance and time will help with planning paper scisors activity - probability can be speed, distance and time will help with planning pap	<u>Homework</u>	Enrichment/life and work skills:		Trig applied to non-right angle triangles
Revisiting, revising, remembering spectrumities:Careers that use Pythagoras TheoremRevisiting, revising, remembering opportunities: Starters based on previously covered topics to be dore Formula/knowledge tests to be conducted within lessonTrig, graphs applied to real life situations Pythagoras linked into DT Real life application of trigonometry dore Formula/knowledge tests to be conducted within lessonTrig, graphs applied to real life situations Pythagoras linked into DT Real life application of trigonometry dore Formula/knowledge tests to be conducted within lessonTrig, graphs applied to real life situations Pythagoras linked into DT Real life application of trigonometry Real life ap	Hegartymaths including 'mem-ri' tasks	Pythagoras linked into DT	Homework	Transforming trig graphs
opportunities: Starters based on previously covered formula/knowledge tests to be conducted within lessonAssessments: 2 unit tests and 1 half term test (includes previous units)Revisiting, remembering opportunities: Starters based on previously covered topics to be done Formula/knowledge tests to be conducted within lessonPythagoras linked into DT Real life application of trigonometry Careers that use Pythagoras theorem Applied engineering using sine and content Similar shapes links to proportional reading and scale factors with designing – civil engineering scale factors with designing – civil engineering scal	Tasks to be set based on previous units	Real life application of trigonometry	Hegartymaths including 'mem-ri' tasks	Enrichment/life and work skills:
Statters based on previously covered topics to be doneIndustriant of the cert where the formula/ knowledge tests to be conducted within lessonAnd the cert share to be of the cert where the		Careers that use Pythagoras Theorem		Trig. graphs applied to real life situations
topics to be doneprevious antopFormula/knowledge tests to be conducted within lessonUnit of work: Unit 13 – Probability Unit 14 – Multiplicative reasoning Assessment objectives: Experimental probability (includes previous units)Unit of work: Unit 13 – Probability Unit 14 – Multiplicative reasoning Assessment objectives: Experimental probability (e.g. mutual exclusive)Unit of work: Unit 13 – Probability Unit 14 – Multiplicative reasoning Assessment objectives: Experimental probabilityOne Formula/knowledge tests to be conducted within lessonCareers that use Pythagoras Theorem Applied engineering using sine and cosine rule Similar shapes links to proportion leading and scale factors with designing – civil engineering Assessment objectives: Experimental probabilitySoring 2 Unit 14 – Multiplicative reasoning Assessment objectives: Experimental probabilityUnit 14 – Multiplicative reasoning Assessment objectives: Experimental probabilityUnit 14 – Further statistics Assessment objectives: Network: Unit 14 – Further statisticsHomework Hegartymaths including 'mem-ri' tasks Tasks to be set based on previous unitsDirect and inverse proportion Growth and decay speed, distance and time Enrichment/life and work skills: Probability inked to science through theory and experimenting Comparing loans and deciding on the best option Speed, distance and time will help with planning journeys and understanding ETAs Assessments: 2 unit test and 1 half term test (includes previous units)Homework Hegartymaths including 'mem-ri' tasks Tasks to be conducted within lessonBesch analysis (and comparing populations links to geography Starters based on previously covered topics to be done Formula/knowledge test		Assessments: 2 unit tests and 1 half term test (includes	Revisiting, revising, remembering opportunities:	Pythagoras linked into DT
Formula/knowledge tests to be conducted within lessonLatteracy (numeracy foci: ismilar shapes links to proportional reading and scale factors with designing – civil engineering scale factors with designi		previous units)	Starters based on previously covered topics to be	Real life application of trigonometry
conducted within lessondescent of the sector of				Careers that use Pythagoras Theorem
Spring 2 Literacy / numeracy fod: Literacy / numeracy fod: Terms in probability (e.g. mutual exclusive)Unit of work: Unit 13 – Probability Unit 14 – Multiplicative reasoning Assessment objectives: Experimental probabilityScale factors with designing – civil engineering Assessments: 2 unit tests and 1 half term test (includes previous units)When to apply direct and inverse proportion in a worded context Converting between measurements Revisiting, revising, remembering opportunities:Venn and Tree diagrams Direct and inverse proportion Speed, distance and timeSpring 2 Literacy / numeracy fod: Key terms for knowing when to use which method for each graphUnit of work: Unit 14 – Further statistics Assessment objectives: Sampling and interpreting graphs and histograms Enrichment/life and work skills: Probability Linked to science through theory and poportunities:Homework Hegartymaths including 'mem-ri' tasks Tasks to be set based on previous unit also proviously covered topics to be done Formula/knowledge tests to be conducted within lessonHomework Hegartymaths including 'mem-ri' tasks Tasks to be set based on previous unit also proviously covered topics to be done Speed, distance and time will help with planning journeys and understanding ETAs Assessments: 2 unit test and 1 half term test (includes previous units)Revisiting, revising, remembering opportunities: Starters based on previously covered topics to be done Formula/knowledge tests to be conducted within lessonRevisiting, revising, remembering opportunities: Starters based on previously covered topics to be doneRevisiting, revising, remembering opportunities: Starters based on previously covered topics to be conducted within lessonNote of scatter graphs <th></th> <th></th> <th>Formula/knowledge tests to be conducted within</th> <th>Applied engineering using sine and cosine rule</th>			Formula/knowledge tests to be conducted within	Applied engineering using sine and cosine rule
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J	Term	Foundation	Term	Higher
		Year 10		Year 10
	Summer 1	Unit of work: Unit 15 – Construction, loci and bearings	Summer 1	Unit of work: Unit 15 – Equations and graphs
	Literacy / numeracy foci:	Unit 16 – Quadratic equations and graphs	Literacy / numeracy foci:	Unit 16 – Circle theorems
	Terminology for graphs (e.g. parabola)	Assessment objectives:	Terminology for graphs (e.g. parabola)	Assessment objectives:
		Bearings and scale drawings	Terms used in different circle theorems	Quadratic graphs
	<u>Homework</u>	Constructions and Loci		Solving simultaneous equations graphically
	Hegartymaths including 'mem-ri' tasks	Expanding and factorising quadratics	Homework	Learning and applying circle theorems
	Tasks to be set based on previous units	Plotting quadratic graphs	Hegartymaths including 'mem-ri' tasks	Enrichment/life and work skills:
		Enrichment/life and work skills:	Tasks to be set based on previous units	Real life examples of different graphs including
	Revisiting, revising, remembering	Reading maps - linked into geography		<u>quadratics</u>
	opportunities:	Build engineering skills by designing your own theme	Revisiting, revising, remembering opportunities:	Fantastic video of maths in the work place -
	Starters based on previously covered	<u>park</u>	Starters based on previously covered topics to be	Navigational officers and how circle theorems apply
	topics to be done	Real life examples of different graphs including	done	Assessments:
	Formula/knowledge tests to be	<u>quadratics</u>	Formula/knowledge tests to be conducted within	2 unit tests and 1 half term test (includes previous
	conducted within lesson	Assessments:	lesson	units)
		2 unit tests and 1 half term test (includes previous units)		
	<u>Summer 2</u>	Unit of work: unit 17 – Area and Volume	Summer 2	<b>Unit of work:</b> unit 17 – more algebra
	Literacy / numeracy foci:	GCSE Assessment objectives:	Literacy / numeracy foci:	GCSE Assessment objectives:
	Circumference, names of parts of a	Circumference and area of circles	Irrational and rational numbers	Rearranging formula
	circle	Area of semicircles and sectors	Wording in proof questions	Algebraic fractions
	Formulas for more complex shapes	Composite 2d shapes		Surds
	Worded problems to identify when to	Volume and surface area of prisms including pyramids,	Homework	Functions
	work with volume and surface area	cones and cylinders	Hegartymaths including 'mem-ri' tasks	proof
	<u>Homework</u>	Enrichment/life and work skills:	Tasks to be set based on previous unit also	Enrichment/life and work skills:
	Hegartymaths including 'mem-ri' tasks	DIY with area for flooring		Rearranging real life formula
	Tasks to be set based on previous units	Designer job - group activity that demonstrates the real	Revisiting, revising, remembering opportunities:	Surds link to A level maths study
		life application of drawing, surface area and volume	Starters based on previously covered topics to be	Equations and calculations linked to science and the
	Revisiting, revising, remembering	Assessments:	done	black hole theory
	opportunities:	3 year 11 mock papers for end of year exams	Formula/knowledge tests to be conducted within	Assessments:
	Starters based on previously covered		lesson	3 year 11 mock papers for end of year exams
	topics to be done			
	Formula/knowledge tests to be			
	conducted within lesson			
		The prograssive inclusive curriculum (skills kn	ourladad and concenter literacy life skills and s	pariahmant'