

Maths YEARS 9

What we will be learning this half-term

As mathematicians this half-term students will be learning the topics listed below. The video numbers listed can be found at <https://hegartymaths.com> - an interactive learning tool for homework tasks. **Pupil login details are their name and date of birth followed by a password they create.**

Parents, you can help by encouraging your child to **watch tutorial videos** and complete assessments whereby they will get immediate feedback.

There will be a Hegarty Maths Surgery on a Weds Break 2 in B29.

YEAR 9				
	Higher		Foundation	Video
Autumn	Pie Charts	427-429	Two way tables	422-424
	Scatter graphs	453-454	Pie charts	427-429
	Averages from a table	416-418,	Charts	
	Fractions	57-80	Scatter graphs	453-454
	Ratio	328-338	Fractions	57-80
	Proportion	339-342	Percentages to Fractions	
	Percentages	81-98	Compound interest	93-94
	Converting fractions, decimals and percentages		Percentages	81-90
Spring	Angles	477-491	Solving equations	178-186
	Trigonometry	508-533	Inequalities	267-268
	Graphs	251-252 206-213	Sequences	196-198
	Area	554-559 539-547	Measuring and drawing angles	461, 477-
	Volume	567-571	Angle properties	487, 812-814
			Area and Perimeter	553-559
			Volume	567-571

Maths YEARS 10

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		YEAR 10			
		Higher	Video	Foundation	Video
Autumn	SOH CAH TOA		508-515	Probability	349-357
	SINE Rule		520-525	Tree Diagrams	361-365
	Cosine Rule		526-530	Percentage increase/decrease	87-92
	Area of a triangle		516-519	SDT, FPA, DMV	716, 717, 725, 734
	Trigonometry problems		531-533		
	Box plots and cumulative frequency		437-441		
	Histograms		442-449		
Spring	Equations linear		176-195	Construction	659-669
	Equations quadratic		221-246	Bearings	491-496
	Graphs Linear		196-220	Loci	674-679
	Graphs quadratic		247-260	Quadratic equations	221-240
	Circle Theorems		592-606 816-820	Quadratic graphs	247-260
				Straight line graphs	196-220
				Perimeter	548-552
				Area	553-559
			Volume	567-583	

Maths YEAR 11 – What we will be learning this half-term

YEAR 11			
Higher	Video	Foundation	Video
Surds	111-119	Set up and solve	176-188
Circle theorems	592-606, 816-820	Fraction and Ratio problems	80
Area under curves		Vectors	622-627
Quadratic equation problems	230-234	Angles in parallel lines	477-491, 812-815
Reverse percentage, repeated percentage, compound interest problems	96, 91, 92, 94	Pythagoras Theorem	497-507
		Circles	534-547
		Area problems	

Masterclass topics

Foundation- Wed B31

Higher- Thurs B31

Date (w/c)	Foundation	Higher
7/1/2019	Area and Pythagoras	Equations of a circle
14/1/2018	Scatter graphs	Equations of a tangent
28/1/2018	Probability	Iterative process
4/2/2019	Transformations	Histograms
11/2/2018	Volume and Measures	Index Laws

****We encourage every student to use Hegarty daily as revision****

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- Every week your child will receive two homeworks;
 - Skills based homework with 20 revision questions
 - Exam questions/Hegarty work