## **Curriculum Overview Template**

	Focus	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Aaths	Key concepts/ideas	Trigonometry	HIGHER GOLD STARTS HERE	Upper and lower bounds	Probability	Revision (missed out topics):	EXAM!
		Rearranging formula	Proportion equations	Histograms	Congruency	Tangents of circles	
		Time series	Laws of indices	Sine and cosine rule	Vectors	Algebraic proof	
		Nth term of quadratics	Pythagoras and trig (3D)	Arcs and sectors	Quadratic simultaneous	Product of more than 2 brackets	
		Iteration	Recurring decimals	Surds	equations	Solve quadratic inequalities	
				Completing the square	Transforming graphs	Algebraic fractions	
	Key skills	Trigonometry – Label sides O,A	HIGHER GOLD STARTS HERE	Upper and lower bounds – Use a	Probability – Understand the		
		and H on right angled triangles.		calculator to find the bounds of	addition rule for mutually exclusive		
		Define and use sine, cosine and	Proportion equations – Identify	calculations (all 4 operations),	and multiply rule for independent		
		tangent to find missing sides	direct and inverse proportion.	particularly in the context of	events. Calculate conditional		
		and angles.	Write both as a formula,	measurement.	probabilities from tree and Venn		
			including proportional to x^2 and		diagrams.		
		Rearranging formula –	other variations.	Histograms – Draw and interpret			
		Rearrange formula where the	Louis of indiana - Frantianal	nistograms for grouped data.	Congruency – Understand and use		
		subject appears twice, or as a	Laws of indices – Fractional,	Understand frequency density.	sss, sas, asa, Rhs conditions to		
		find inverse and composite	simplifying number and algebra	Sine and cosine rule - Calculate the	prove congruency.		
		functions		area of non-right-angled triangles	Vectors – Understand and use vector		
			Pythagoras and trig (3D) – Use 3D	Use the sine and cosine rule in 2D	notation Calculate and represent		
		Time series – Interpret and	Pyhtagoras and/or trigonometry	and 3D	graphically: the sum, the difference		
		draw time series graphs.	to find missing sides, angles		and a scalar multiple. Calculate		
			between sides and angles	Arcs and sectors – Find the lengths	resultant vectors. Solve vector		
2		Nth term of quadratics	between a side and plane.	of arcs and area and perimeter of	problems.		
sher				sectors. Calculate volume and			
		Iteration – use iteration formula	Recurring decimals – Convert a	surface area of cones, pyramids and	Quadratic simultaneous equations –		
i B I		to find approximate solutions.	recurring decimal to fraction and	spheres (including frustums). Leave	Recognise and use the equation of a		
I			vice versa.	answers in terms of pi.	circle (centre 0,0). Solve linear and		
[]					quadratic simultaneous equations by		
				Surds – Use surds in exact	elimination or substitution and		
al				calculations, simplify expressions	graphically.		
Ye				and rationalise the denominator.			
				Completing the environ Write	Iransforming graphs – Recognise,		
				completing the square – write	graphs. Know the effects of flax)		
				form. Find turning points and solve	f(x) = f(x) + a		
				Solve using the quadratic formula	annly them to linear and quadratic		
					graphs.		
	Kev terms/vocab	Approximate. Iterative.	Inverse, Direct, Proportional,	Bound, Accuracy, Rounding,	Mutually exclusive. Congruency.		
		Formula, Subject, Function,	Plane, Index, Recurring, Rational	Frequency, Arc, Sector, Frustum,	Vectors, Scalar, Transformation,		
		Quadratic, Sequence,		Surd, Rationalise, Expression	Conditional, Resultant		
		Hypotenuse					
	Independent learning /	For more support and lots of	For more support and lots of	For more support and lots of	For more support and lots of	For more support and lots of	
	wider reading	practice questions go to	practice questions go to	practice questions go to	practice questions go to	practice questions go to	
		www.corbettmaths.com	www.corbettmaths.com	www.corbettmaths.com	www.corbettmaths.com	www.corbettmaths.com	
	Assessment	Problem solving task	Mock exam (November)	Exam papers for homework	Mock exam (March)	Exam papers	REAL EXAM!
	Careers links	Finance, Biologist, Chemist,	Finance, Biologist, Chemist,	Finance, Biologist, Chemist, Physicist,	Finance, Biologist, Chemist, Physicist,	Finance, Biologist, Chemist,	
		Physicist, Business Analyst,	Physicist, Business Analyst,	Business Analyst, Forecaster,	Business Analyst, Forecaster,	Physicist, Business Analyst,	
		Forecaster, Computer scientist	Forecaster, Computer scientist	Computer scientist	Computer scientist	Forecaster, Computer scientist	