



Module/Unit of Learning	Taught During	What will students learn?	How does this help to broaden horizons?	Links to other Subjects
GCSE Trigonometry and Bearings	Autumn term 1	Students will extend their knowledge of trigonometry to look at non-right-angled triangles and applying their knowledge to real-life contexts with bearings.	This work stretches the students to achieve the highest grade they are capable of	Geography Duke of Edinburgh
GCSE Graphs and Transformations	Autumn term 1	Students will revisit drawing graphs and solving equations using graphs. They will review transformations and be able to complete and describe transformations of shapes and graphs.		Science
GCSE Functions	Autumn term 1	Building graph work of functions students will look at the algebraic forms and how to manipulate them. They will examine composite functions and be able to solve functions and find inverse functions.	This work stretches the students to achieve the highest of grades and beyond fully preparing them for mathematics at and beyond GCSE	
GCSE Circles and Tangents	Autumn term 1	Students will revisit their knowledge of linear graphs and build on the work to consider perpendicular lines. This will then link into equations of circles and how to find the equation of the tangent		
GCSE Walking Talking Mock	Autumn term 2	This work builds the students exam technique allowing them to become experts at the GCSE.		
GCSE Vectors	Autumn term 2	Students will be able to calculate resultant forces from vectors. They will develop an understanding of how to prove if a line is parallel using vector geometry.		Science
GCSE Equations	Autumn term 2	Students will secure knowledge of equations with quadratics, looking at solving through factorising and using the formula. They will build their work on algebra to rearranging and solve equations through an iterative process.		Science



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PPE preparation and PPEs followed by over to you time	Autumn 2 and Spring 1	Students sit papers in the hall to replicate the GCSE experience. Following on from the first round of PPEs, question analysis will highlight key topics per class to focus upon. Students will work on these areas in the groups.	This work builds the students exam technique allowing them to become experts at the GCSE.	
Adaptive Teaching	Autumn 2	After the QLA from PPE round 1, topics will be chosen per group to focus upon the core areas that students can gain maximum marks from.	This work stretches the students to achieve the highest grade they are capable of.	
Staples Challenge	Spring 1	Students will sit half papers and focus on gaining as many marks as possible without dropping a mark. There will be a focus on accuracy, showing your working and checking your work. These run for 5 weeks in which students sit the papers then	Focus on accuracy and the way to approach questions logically, breaking each step down and getting students to be confident in explaining their answers.	
Adaptative Teaching	Spring 2	After each Staples challenge there are two lessons of adaptive teaching focusing on the topics or questions that student struggled on. Teachers will demonstrate and talk through their thinking at each stage.	Build confidence answering unknown questions. Give students practice of success and exam pressure.	
Prompted PPEs	Spring 2	Students will sit prompted PPE paper.		
Adaptive teaching	Spring 2	Students are now at a point to stretch their knowledge to the highest level and focus upon topics that will push them to the highest grade they are capable of.		
Prompted PPE Over to you.	Spring 2	Review of the Prompted PPE sat in March. Focus on questions where students have struggled		
Adaptive Teaching	Summer 1	Teaching based on subjects that students need to work on. This is informed by assessments and starters and is reviewed by the teacher on a lesson-by-lesson basis.		
GCSE exams	Summer 1 and 2	Students to sit GCSE Maths papers. 3 papers- 1 non calculator and 2 calculator papers.		