

Module/Unit of Learning	Taught During	What will students learn?	How does this develop expertise and challenge students?	Links to other subjects
GCSE Primes, HCF and LCM	Autumn	Students will build their Core knowledge for the fundamentals of number and focus on breaking a number into a product of it's primes and using this to find the highest common factor and lowest common multiple	This work stretches the students to achieve the highest grade they are capable of	Computer Science
GCSE Quadratics and General Iterative Processes	Autumn	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.	This work stretches the students to achieve the highest grade they are capable of	
GCSE Surds and Indices	Autumn	Students will focus on non-calculator techniques in working with number. They will break irrational numbers into surds and manipulate them and they will calculate and simplify using the rules their index rules.	This work stretches the students to achieve the highest grade they are capable of	
GCSE Area and Volume	Autumn	A revision of key area and volume work, with prisms, cones and pyramids.	This work stretches the students to achieve the highest grade they are capable of	Engineering
GCSE Pythagoras and Trigonometry	Autumn	Recap of triangle with finding missing lengths and angles. Including stretching	This work stretches the students to achieve the	

		their work to more complex problem solving questions using trigonometry skills.	highest grade they are capable of	
GCSE Frequency Polygons, Stem and leaf, CF graphs and Box-Plots	Autumn	Students will focus on the statistical knowledge in this module, looking at representing data in a variety of ways and drawing conclusions based on these data sets.	This work stretches the students to achieve the highest grade they are capable of	
Mixed Revision PPE Preparation	Autumn	Students are now at a point to practise revision of various topics in mixed lessons. This will build on the exam skills needed for the upcoming PPE exams	This work builds the students exam technique allowing them to become experts at the GCSE.	
GCSE Algebraic Fractions	Autumn	Students will build on their numerical knowledge of fractions to apply in an algebraic context. They will perform operations and simplify algebraic fractions using their core algebraic skills, like factorising and expanding	This work stretches the students to achieve the highest grade they are capable of	
QLA from PPE	Spring	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.	
GCSE Revision Block 1 Fundamentals	Spring	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	
GCSE Revision Block 2 Challenge	Spring	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.	This work builds the students exam technique allowing them to become experts at the GCSE.	

GCSE Mind the Gaps	Spring	Students will work on confidence and exam technique by completing a Mind the Gap paper once per week, subsequent lessons each week will build on practising the key questions coming out as target areas.	This work builds the students exam technique allowing them to become experts at the GCSE.	
Mixed Revision PPE 2 Preparation	Spring	Students are now at a point to practise revision of various topics in mixed lessons. This will build on the exam skills needed for the final PPE in March	This work builds the students exam technique allowing them to become experts at the GCSE.	
Mixed Revision		Students are now at a point to practise revision of various topics in mixed lessons. This will build on the exam skills needed for the summer exams	This work builds the students exam technique allowing them to become experts at the GCSE.	
QLA from PPE	Spring	Following on from the second 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.	
Walking Talking Mock Week	Summer	In the final throws of lessons before the exams, we will hone the skills of all students by going through a final paper in our walking talking mock format. Students will hear experts go through the key exam technique and knowledge needed to further build their confidence in preparation for the exams.	This work builds the students exam technique allowing them to become experts at the GCSE.	
Mixed Revision Summer Preparation	Summer	Students are now at a point to practise revision of various topics in mixed lessons. This will build on the exam skills needed for the summer exams	This work builds the students exam technique allowing them to become experts at the GCSE.	