

| Module/Unit of Learning | Taught During | What will students learn? | How does this develop expertise and challenge students? | Links to other subjects |
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| <u>GCSE</u> 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 |
| <u>GCSE</u> Fractions, Decimals and Percentages | Autumn | Students will secure the fundamentals of number and work with the various forms of number focussed mainly on non-calculator work. Finally moving towards calculator based percentage work with compound interest. | This work stretches the students to achieve the highest grade they are capable of | |
| <u>GCSE</u> Trigonometry | Autumn | Students will learn how to work with a triangle to find missing lengths and angles. | This work stretches the students to achieve the highest grade they are capable of | |
| <u>GCSE</u> Compound Measures and Unit Conversions | Autumn | Students will work with time, speed, pressure and density. Students will learn how to apply ratio tables to find missing values within these contexts. Calculators will be essential to utilise the ratio function on them. | This work stretches the students to achieve the highest grade they are capable of | Engineering |
| <u>GCSE</u> Coordinate Geometry | Autumn | Students will further their knowledge on ratio tables and take it into shape and algebra by looking at gradients and linear graphs. They will learn to find midpoints of coordinates and split lines into set ratios. | This work stretches the students to achieve the highest grade they are capable of | |
| <u>GCSE</u> Transformations | Autumn | A recap topic from year 10 on transforming shapes. Students will go through rotation, reflections, translations and enlargements. | This work stretches the students to achieve the highest grade they are capable of | |

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| Adaptative Learning 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 Area and Volume | Autumn | A focus on all things shape. Looking at key formula to find areas of 2D shapes and the volume of 3D shapes. Students will work with all the core quadrilaterals and look at volume and surface area of prisms. | 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. | |
| Adaptive Learning 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. | |
| Adaptive Learning | | 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. | |

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| 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. |
| Adaptive Learning 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. |

Pride

Respect

Success