

Share Multi Academy Trust

Curriculum Planning Template

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| --- | --- | --- | --- | --- | --- |
| Subject: | Maths | Year | 9 | Ability  | Higher |

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| Half Term 1 / weeks | Week 1-2 | Week 3-6 | Final week of the half term |
| Topic | Unit 1- Integers, Powers and Roots  | Unit 2- Area of 2D shapes, circles, surface area and volume | Reteach and Retention  |
| Topic overviewStudents will learn… | To recall and apply number skills including negatives, powers and roots applying them to real world contexts such as HCF and LCM | To recall and apply a range of formulae with respect to shapes correctly substituting values leading to appropriate answers. | Focus on the process of reteach and retention for this half term, knitting together the learning in reaction to the assessments completed. Students will follow a bespoke set of lessons looking at errors seen this in the work covered in this half term and any supporting knowledge. If this is covered staff will look forward to cover historic supporting knowledge for the next half term.  |

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| Half Term 2 / weeks | Week 1-2 | Week 3-4 | Week 5 | Final week of the half term |
| Topic | Index Laws, Expanding and Factorising Unit 3 | Rounding and EstimationUnit 4 | Substitution and solving equationsUnit 5 | Reteach and Retention  |
| Topic overviewStudents will learn… | To start to see and use the key skills of algebra in context with particular focus on expanding and factorising. | To understand the meaning of an answer in “context” so students are able to see if this answer is of suitable magnitude and accuracy | Students are able to substitute values into a formula or expression to find unknown values and students are able to solve simple equations that use the basic operations. | Focus on the process of reteach and retention for this half term, knitting together the learning in reaction to the assessments completed. Students will follow a bespoke set of lessons looking at errors seen this in the work covered in this half term and any supporting knowledge. If this is covered staff will look forward to cover historic supporting knowledge for the next half term.  |

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| Half Term 3 / weeks | Week 1-3 | Week 4-5 | Week 6 | Final week of the half term |
| Topic | Unit 6 – Sampling and Averages | Unit 7 - Fractions | Extra Unit – Standard Form | Reteach and Retention  |
| Topic overviewStudents will learn… | To use and understand the different averages available in maths understanding their strengths and understanding spread of data | To understand and use the four operations with fractions and then use these in context.  | The first introduction to standard form, using the notation to write big or small numbers understanding the notation this creates. | Focus on the process of reteach and retention for this half term, knitting together the learning in reaction to the assessments completed. Students will follow a bespoke set of lessons looking at errors seen this in the work covered in this half term and any supporting knowledge. If this is covered staff will look forward to cover historic supporting knowledge for the next half term.  |

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| Half Term 4 and 5 / weeks | Week 1-2 | Week 3 | Week4-5 | Week 6-8 | Final week of the half term |
| Topic | Unit 8 – Angle Properties | Unit 9 - Sequences | Unit 10 – Handling Data | Extra Unit – Problem Solving and Finance | Reteach and Retention  |
| Topic overviewStudents will learn… | Students are able to find missing angles in a series of scenarios through calculation understanding the importance of communicating reasons used | Students should be able to identify sequences and the rules they work to. | Students should be able to use and understand a range data handling skill. | To understand maths in context within finance and how these impact in real life. | Focus on the process of reteach and retention for this half term, knitting together the learning in reaction to the assessments completed. Students will follow a bespoke set of lessons looking at errors seen this in the work covered in this half term and any supporting knowledge. If this is covered staff will look forward to cover historic supporting knowledge for the next half term.  |

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| Half Term 6 / weeks | Week 1-3 | Week 4-6 | Final week of the half term |
| Topic | **Unit 11 - Straight line graphs** | **Unit 12 - Probability**  | Reteach and Retention  |
| Topic overviewStudents will learn… | To draw and understand straight line graphs understanding and using y=mx+c  | To use the idea of simple probability in context of multiple step problems that would require representation through tree diagrams | Focus on the process of reteach and retention for this half term, knitting together the learning in reaction to the assessments completed. Students will follow a bespoke set of lessons looking at errors seen this in the work covered in this half term and any supporting knowledge. If this is covered staff will look forward to cover historic supporting knowledge for the next half term.  |