

## SUBJECT - MATHS

Pupils in Key Stage 4 (Years 10 & 11) will follow similar topics each year.

For GCSE there are two tiers: Foundation and Higher tier. These tiers broadly cover the same topics however, the depth and challenge in the higher tier is great than that of the foundation tier. It is important to note that the demand and challenge has increased drastically for both tiers following from the GCSE Curriculum change in 2015.

The topics will be taught across both year groups and they will be regularly assessed. In Year 10, we will cover the first 15 topics; however, this may not be in the order specified below. In Year 11, we will complete topics 16 – 22, which will allow us to have increased revision time to prepare them for their exams.

| Year Group  | Topics Covered   |                                   | Overview of Assessment   |
|-------------|------------------|-----------------------------------|--|
| <b>GCSE</b> | <b>Topic 1:</b>  | Calculations                      | <b>Assessment 1</b><br>Pupils will sit a written test on Topics 1 – 6.<br>This mark will be used to track pupil's progress   |
|             | <b>Topic 2:</b>  | Expressions                       |  |
|             | <b>Topic 3:</b>  | Angles & Polygons                 |  |
|             | <b>Topic 4:</b>  | Handling Data                     |  |
|             | <b>Topic 5:</b>  | Fractions, Decimals & Percentages |  |
|             | <b>Topic 6:</b>  | Formulae & Functions              |  |
|             | <b>Topic 7:</b>  | Working in 2D                     | <b>Assessment 2</b><br>Pupils will sit a written test on Topics 7 – 11.<br>This mark will be used to track pupil's progress  |
|             | <b>Topic 8:</b>  | Probability                       |  |
|             | <b>Topic 9:</b>  | Measures & Accuracy               |  |
|             | <b>Topic 10:</b> | Equations & Inequalities          |  |
|             | <b>Topic 11:</b> | Circles & Constructions           |  |
|             | <b>Topic 12:</b> | Ratio & Proportion                | <b>Pre Public Exams</b><br>Pupils will sit a full set of GCSE Papers prior to their GCSE Exams.<br>One will be sat at the End of Year 10 and there two will be say during Year 11. |
|             | <b>Topic 13:</b> | Factors, Powers & Roots           |  |
|             | <b>Topic 14:</b> | Graphs                            |  |
|             | <b>Topic 15:</b> | Working in 3D                     |  |
|             | <b>Topic 16:</b> | Advanced Handling Data            |  |
|             | <b>Topic 17:</b> | Advanced Calculations             |  |
|             | <b>Topic 18:</b> | Advanced Graphs                   |  |
|             | <b>Topic 19:</b> | Pythagoras & Trigonometry         |  |

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| <b>Year Group</b> | <b>Topics Covered</b> |                          | <b>Overview of Assessment</b>   |
|-------------------|-----------------------|--------------------------|---|
| <b>GCSE</b>       | <b>Topic 20:</b>      | Combined Events          |   |
|                   | <b>Topic 21:</b>      | Sequences                |   |
|                   | <b>Topic 22:</b>      | Topics & Proportionality |   |
|                   | <b>Topic 23:</b>      | Life Skills Maths        | This topic will not be formally assessed and will be taught throughout the two years. |