

## Subject Yearly Overview 2025-2026

| Subject:<br>Maths Y10 | TOPIC                                                                             | COMPONENT                                                                                                                                                                                                                                                                                                              | <i>Notes: Why are you delivering this topic at this time of year?</i>                                                                                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Autumn 1</b>       | Algebra & Fractions                                                               | Substitute numerical values into formulae and expressions, including scientific formulae<br>solve linear equations with one unknown algebraically<br>Ordering fractions<br>Simplifying fractions<br>Improper fractions and mixed numbers<br>Multiplying fractions<br>Dividing fractions<br>Add & subtracting fractions | This cohort has covered a reasonable amount of this content with their previous teacher therefore, we will build on this foundation of knowledge earlier on while is fresher in their minds and hope to consolidate their learning. |
| <b>Autumn 2</b>       | Geometry and measure                                                              | <b>Pythagoras' Theorem</b><br><br>Trigonometric ratios, $\sin \theta = \text{opposite} \div \text{hypotenuse}$ , $\cos \theta = \text{adjacent} \div \text{hypotenuse}$ and $\tan \theta = \text{opposite} \div \text{adjacent}$ ;                                                                                     | This is to celebrate the anniversary of Pythagoras.                                                                                                                                                                                 |
| <b>Spring 1</b>       | Functional skills prep<br><br>Or<br><br>AQA Entry Level Certificate Maths - 5930. | Drawing graphs from a table of values<br>Deriving information from a table and drawing the appropriate graphs<br>Bearings<br>Ordering fractions, decimals and percentages<br>Mode, Median & Mean                                                                                                                       | Pupils will now have been taught a large amount of content and be in a position to sit the Functional skills assessments.                                                                                                           |
| <b>Spring 2</b>       | Transformations                                                                   | Identify, describe and construct congruent and similar shapes, including on coordinate axes, by considering rotation, reflection, translation and enlargement.                                                                                                                                                         | This ties in with the transformation from Autumn to Spring.                                                                                                                                                                         |

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| <b>Summer 1</b> | Number<br>Algebra 2                                                                 | Add and subtract decimals<br>Substitution<br>Expanding brackets<br>Factorising                                                                                                                                                                                                                                          | Pupils have already covered this topic to some degree in year 9 however, they have not retained all the skills taught and will need them for the GCSE curriculum.                                                    |
| <b>Summer 2</b> | Functional Skills resit (Level 1)<br><br>Standard form<br><br>Equations of the line | Calculate with and interpret standard form $A \times 10^n$ , where $1 \leq A < 10$ and $n$ is an integer<br><br>Plot graphs of equations that correspond to straight-line graphs in the coordinate plane; use the form $y = mx + c$ to identify parallel lines; find the equation of the line through two given points. | Pupils have had one opportunity at sitting the Level 1 and were a few marks short of passing. This will give them another chance following some revision.<br><br>This will now be more apt at dealing with formulae. |