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| **Subject Yearly Overview 2021-2022** | | | |
| **Subject:**  **Maths Y10** | **TOPIC** | **COMPONENT** | ***Notes:*** *Why are you delivering this topic at this time of year?* |
| **Autumn 1** | Geometry and measure | Nets of shapes  Plans and elevations | This is a good opportunity to bring current affairs to the Maths room. As stamp duty holiday ends pupils will be given the chance to look at house plans, prices and planning requirements. |
| **Autumn 2** | Algebra | **S**implify and manipulate algebraic expressions:  Collecting like terms | 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. |
| **Spring 1** | 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. |
| **Spring 2** | Geometry and measure | **P**ythagoras’ Theorem  Trigonometric ratios, sin *θ* = opposite÷hypotenuse, cos *θ* = adjacent÷hypotenuse  and tan *θ* = opposite÷ adjacent; | This is to celebrate the anniversary of Pythagoras. |
| **Summer 1** | Functional skills prep | Drawing graphs from a table of values  Deriving information from a table and drawing the appropriate graphs  Bearings  Ordering fractions, decimals and percentages  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. |
| **Summer 2** | Standard form  Equations of the line | Calculate with and interpret standard form *A* × 10*n*, where 1 ≤ *A* < 10  and *n* is an integer  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 will now be more apt at dealing with formulae. |