Subject Yearly Overview 2023-2024

Subject: Maths Y10	TOPIC	COMPONENT	*Notes: Why are you delivering this topic at this time of year?*
Autumn 1	Number	To be able to identify fractions of an amount To find equivalent fractions Ordering fractions Simplifying fractions Multiplying, dividing fractions, adding & subtracting fractions Improper fractions and mixed numbers Convert between fractions, decimals and percentages.	After teaching this group for the first time last year it was evident that this is an area of weakness. I feel that given the length of the first time it will allow pupils enough time to consolidate their learning.
Autumn 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.
Spring 1	Functional skills prep Or AQA Entry Level Certificate Maths - 5930.	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.
Spring 2	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.

Summer 1	Standard form Equations of the line Or Functional skills opportunity	Calculate with and interpret standard form $A \times 10n$, where $1 \leq A < 10$ 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.
Summer 2	Number Algebra 2 Geometry and measure	Add and subtract decimals Substitution Nets of shapes Plans and elevations	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.