



Subject:

Year 10 Curriculum Overview

2018-2019

Half Term 1 Unit Title	Subject Content / Knowledge	Number skills including fractions, decimals and percentages
	Skills	Find prime factors, highest common factors and lowest common multiples Calculate with decimals Round decimals Compare and order fractions Complete the four operations with fractions Convert between fractions, decimals and percentages Solve problems involving percentages
	Assessment	Autumn 1 Maths Assessment-Testing knowledge and skills acquired over Autumn 1
Half Term 2 Unit Title	Subject Content / Knowledge	Shapes and angles, Graphs and transformations
	Skills	Solve problems involving coordinates and midpoints Find angles in parallel lines and shapes Plot linear and quadratic graphs Understand, complete and describe the 4 transformations Use and manipulate surds and algebraic indices
	Assessment	Autumn Maths Assessment (Higher and Foundation Tiers) – Assessment testing knowledge and skills acquired over Autumn 1 and Autumn 2

Half Term 3 Unit Title	Subject Content / Knowledge	Algebra
	Skills	Simplify expressions Substitute values in expressions and formulae Expand brackets Factorise expressions Solve equations Solve simultaneous equations Rearrange formulae
	Assessment	Spring 1 Maths Assessment (Higher and Foundation Tiers) - Assessment testing knowledge and skills acquired over Spring 1 with synoptic content from the Autumn Term
Half Term 4 Unit Title	Subject Content / Knowledge	Estimations, Pythagoras , percentages and circle theorems
	Skills	Estimate calculations Compare numbers using symbols Use the Pythagoras theorem to find missing sides on triangles Solve percentage problems Learn and use circle theorems to solve problems
	Assessment	Spring Maths Assessment (Higher and Foundation Tiers) – Assessment testing knowledge and skills acquired over Spring 1 and Spring 2, with some synoptic content from the Autumn Term
Half Term 5 Unit Title	Subject Content / Knowledge	Shapes, ratio, averages and algebraic fractions
	Skills	Find the area and volume of shapes Find the area and circumference of circles. Use and split amounts into a ratio Find the averages and range Simplify algebraic fractions
	Assessment	Summer 1 Maths Assessment (Higher and Foundation Tiers) - Assessment testing knowledge and skills acquired over spring and summer 1 with synoptic content from the Autumn Term

Half Term 6 Unit Title	Subject Content / Knowledge	GCSE revision
	Skills	Revising and recapping all GCSE topics covered so far
	Assessment	GCSE mock exam