Mathematics – Year 9

Learning Intentions Summer Term 2 2024-2025

	LESSON 1	LESSON 2	LESSON 3
WEEK 33 wc 2nd June	PAZ 3 Revision	PAZ 3 Revision	PAZ3 Assessment
WEEK 34 wc 9th June	• To calculate the circumference of a circle. • To estimate calculations involving pi (π). • Solve problems involving the circumference of a circle.	• To calculate the area of a circle. • To solve problems involving the area of a circle.	• Find the length of the hypotenuse of a right-angled triangle using Pythagoras' theorem.
WEEK 35 wc 16th June	• Find the length of a shorter side of a right-angled triangle using Pythagoras' theorem. • Solve problems involving right-angled triangles.	• To calculate the volume of a right prism. • Calculate the volume of a cylinder.	• Calculate the surface area of a right prism. • To calculate the surface area of a cylinder.
WEEK 36 wc 23rd June	• To find the lower and upper bounds for a measurement.	• Use congruent shapes to solve problems about triangles and other polygons. • Work out whether shapes are similar, congruent or neither.	• To solve problems involving similar triangles.
WEEK 37 wc 30th June	• To use conventions for naming the sides of a right-angled triangle. • Use the tangent ratio to work out an unknown side of a right-angled triangle.	• Use the sine ratio to work out an unknown side of a right-angled triangle.	• Use the cosine ratio to work out an unknown side of a right-angled triangle.
WEEK 38 wc 7th July	• To use all the trigonometric ratios to work out an unknown angle in a right-angled triangle.	• To identify right-angled triangles in cubes and cuboids.	• To use trigonometry or Pythagoras to find missing lengths and angles in cubes and cuboids.
WEEK 39 wc 14th July	Enrichment Week	Enrichment Week	Enrichment Week