Keywords: Autumn 2 Year 10 Maths Higher

Topic Title: Angles, Pythagoras, Trigonometry & Surds

Introduction to the topic:

Able to find interior & exterior angles of polygons.

What lessons will you cover during the topic?

Finding length of sides & size of angles in right angled triangles using Pythagoras & Trigonometry

Keyword	Definition
Hypotenuse	Longest side of a right angled triangle
Irrational Number	Non-recurring, non-terminating decimal
Surd	Square root of a non square number
Polygon	2D shape with straight sides
Corresponding Angles	Corresponding angles are angles that occur on the same side of the transversal line and are equal in size
Transversal	Line that intersects two or more parallel lines
Alternate Angles	Alternate angles are angles that occur on opposite sides of the transversal line and have the same size.
Co-Interior Angles	Co-interior angles occur in between two parallel lines when they are intersected by a transversal
Interior Angles	All interior angles of regular polygons are equal
Exterior Angles	Sum of exterior angles of all polygons is 360°