YEAR 8

HALF TERM 5

What? **When?** **Why?**	**Lesson 1** **Learning intentions** (what can a student do at the end of the lesson)	**Lesson 2** **Learning intentions** (what can a student do at the end of the lesson)	**Lesson 3** **Learning intentions** (what can a student do at the end of the lesson)	**Lesson 4** **Learning intentions** (what can a student do at the end of the lesson)
Week 1	Understand and use basic angle rules and notation	Investigate angles between parallel lines and the transversal	Identify and calculate with alternate and corresponding angles	Identify and calculate with co-interior, alternate and corresponding angles
Week 2	Solve complex problems with parallel line angles	Constructions triangles and special quadrilaterals	Investigate the properties of special quadrilaterals	Identify and calculate with sides and angles in special quadrilaterals
Week 3	Understand and use the properties of diagonals of quadrilaterals	Understand and use the sum of exterior angles of any polygon	Calculate and use the sum of the interior angles in any polygon	Calculate missing interior angles in regular polygons
Week 4	Calculate the area of triangles, rectangles and parallelograms Calculate the area of a trapezium	Calculate the perimeter and area of compound shapes Investigate the area of a circle	Calculate the area of a circle and parts of a circle without a calculator Calculate the area of a circle and parts of a circle with a calculator	Adding and subtracting expressions with indices
Week 5	Simplifying algebraic expressions by multiplying indices	Simplifying algebraic expressions by dividing indices	Using the addition law for indices	Using the addition and subtraction law for indices