YEAR 9

HALF TERM 4

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	Angles in parallel lines (R)	Solve angle problems using chains of reasoning	Angle problems with algebra	Conjectures with angles
Week 2	Conjectures with shapes	Link constructions and geometrical reasoning (H)	Identify the order of rotational symmetry of a shape	Compare and contrast rotational symmetry with line symmetry
Week 3	Rotate a shape about a point on a shape	Rotate a shape about a point not on a shape	Translate points and shapes by a given vector	Compare rotation and reflection of shapes
Week 4	Find the result of a series of transformations (H)	Solve speed, distance and time problems without a calculator	Solve speed, distance and time problems with a calculator	Solve speed, distance and time problems with a calculator
Week 5	Squares and square roots (R)	Identify the hypotenuse of a right-angled triangle	Determine whether a triangle is right-angled	Calculate the hypotenuse of a right-angled triangle
Week 6	Calculate missing sides in right-angled triangles	Use Pythagoras' theorem on coordinate axes	Explore proofs of Pythagoras' theorem	Use Pythagoras' theorem in 3D shapes (H)