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 Deduction	Angles in parallel lines (R)	Solve angle problems using chains of reasoning	Angle problems with algebra	Conjectures with angles
Week 2 Deduction Rotation & translation	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 Rotation & translation	Rotate a shape about a point on a shape	Rotate a shape about a point not on a shape	Understand and use vectors	Translate points and shapes by a given vector
Week 4 Rotation & translation Pythagoras' theorem	Compare rotation and reflection of shapes	Find the result of a series of transformations (H)	Squares and square roots (R)	Identify the hypotenuse of a right-angled triangle Calculate the hypotenuse of a right-angled triangle
Week 5 Pythagoras' theorem	Calculate missing sides in right-angled triangles	Determine whether a triangle is right-angled	Use Pythagoras' theorem on coordinate axes	Explore proofs of Pythagoras' theorem
Week 6 Pythagoras' theorem	Use Pythagoras' theorem in 3D shapes (H)	Recap and revise	Recap and revise	Recap and revise