YEAR 9

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 Enlargement and similarity	Recognise enlargement and similarity	Enlarge a shape by a positive integer scale factor	Enlarge a shape by a positive integer scale factor from a point	Enlarge a shape by a positive fractional scale factor
Week 2 Enlargement and similarity	Enlarge a shape by a negative scale factor (H)	Work out missing sides and angles in a pair of given similar shapes	Solve problems with similar triangles (H)	Explore ratios in right-angled triangles (H)
Week 3 Ratio and proportion	Solve problems with direct proportion (R)	Direct proportion and conversion graphs (R)	Solve problems with inverse proportion	Graphs of inverse relationships (H)
Week 4 Ratio and proportion Rates	Solve ratio problems given the whole or a part or greater than (R)	Solve best buy problems	Solve problems involving ratio and algebra (H)	Solve speed, distance and time problems without a calculator
Week 5 Rates	Solve speed, distance and time problems with a calculator	Use distance-time graphs	Solve problems with density, mass and volume	Solve flow problems and their graphs (H)
Week 6 Rates	Rates of change and their units	Convert compound units		