YEAR 10

HALF TERM 3

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	Use cardinal directions and related angles (R)	Draw and interpret scale diagrams (R)	Understand and represent bearings	Measure and read bearings
Week 2	Make scale drawings using bearings	Calculate bearings using angle rules	Review and assessment	Recognise and label parts of a circle (R)
Week 3	Calculate fractional parts of a circle	Calculate the length of an arc	Calculate the area of a sector	Understand and use the volume of a cylinder and cone
Week 4	Understand and use the volume of a sphere	Understand and use the surface area of a sphere	Understand and use the surface area of a cylinder and cone	Solve area and volume problems involving similar shapes (R) (H)
Week 5	Review and assessment	Use the equivalence of fractions, decimals and percentages (R)	Calculate percentage increase and decrease (R)	Express a change as a percentage (R)
Week 6	Solve reverse percentage problems	Recognise and solve percentage problems (non-calculator)	Recognise and solve percentage problems (calculator)	Solve problems with repeated percentage change (H)
Week 7	Review and assessment	Review and assessment		