YEAR 11 higher

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	Use and apply bearings	Use trigonometry with bearing problems	Area of a sector	Perimeter of a sector.
Week 2	Volume of a cylinder	Surface area of a cylinder.	Volume of a cone	Surface area of a cone
Week 3	Volume of a hemisphere	Volume of a prism Understand plan and faces.	Understand linear, quadratic and geometric sequences. Find the n'th term of a linear sequence.	Find the n'th term of a quadratic sequence and triangular numbers.
Week 4	Be able to change the subject of a simple formula	Change the subject of a complex formula.	To construct and use two way tables.	To construct and use pie charts.
Week 5	To construct and use venn diagrams.	To construct and use tree diagrams for independent events.	Use relative frequency and expected values.	To use compound units: pressure, average speed, and density
Week 6	Draw column vectors	Perform vector arithmetic.	Find the radius of a circle given it's equation.	Understand the difference between = and ≡. Expand triple brackets.