YEAR 11 FOUNDATION

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	Find the midpoint of a line	Find the gradient between two points	Find the gradient and y intercept of a line in the form "y=mx+c"	Know correct units for area, perimeter and volume. Find areas of rectangles, triangles and parallelograms.
Week 2	Name circle parts. What volume is find the volume of a cylinder	Find area and circumference of a circle.	Find area of semi-circle and quadrant	Find perimeter of semi-circle and quadrant.
Week 3	Understand and use the laws of indices. NON CALCULATOR	To recognise arithmetic and geometric sequences. Find the term to term and position to term rule.	Find the n;th term of a sequence. Use the n'th term for a linear sequence	Use the n'th term for a quadratic sequence.
Week 4	To understand the difference between = and ≡. Substitute into a linear formula.	Substitute into non-linear formulas	To construct and interpret frequency trees.	Find the relative frequency of an event.
Week 5	Find an estimate of probability and the expected value.	Construct and use probability trees	To systematically list the number of combinations. Construct and use venn diagrams.	Draw vectors
Week 6	Perform arithmetic with column vectors	Understand the terms factor, prime, multiple, highest common factor, cube number. Find the HCF of 2 or 3 numbers.	Solve linear equations	Read solutions of equations from graphs. Understand what a root of an equation is.