

Year 7 Maths

Subject and Year Group	Autumn Year 7		Autumn 2 Year 7	Spring 1 Year 7		Spring 2 Year 7	Summer 1 Year 7		Summer 2 Year 7
Topic/Unit to be studied	N1 Place Value	N2 Types of Number	N3 Four Operations	N4 Associated Calculations	N5 Fractional Thinking	G1 Perimeter and Area	N6 Directed Number	A1 Algebraic Proficiency	A2 Algebraic Thinking
Core Knowledge and skills	This unit focusses on the magnitude of positive numbers.	This unit focusses on the properties of integers (primes, factors, multiples, squares, cubes, roots etc.)	This unit focusses on the efficiency of different methods of calculation.	This unit focusses on performing associated calculations based on the magnitude of numbers.	This unit focusses on the magnitude of fractions and the efficiency of calculations involving them.	This unit focusses on selecting the correct dimensions to calculate Perimeter and Area of 2D Shapes.	This unit focusses on the magnitude of and calculations involving negative numbers.	This unit focusses on developing an understanding of algebraic notation.	This unit focusses on generalising the structure of arithmetic.
Assessment for and of Learning	Each unit is assessed using a formative (open book) topic test followed by responsive DIRT and application lessons. Throughout each unit homework is set by the class teacher using Hegarty Maths. A summative (closed book) end of year assessment is also undertaken in the summer term.								