

Yr7: ASK Yourself!

Subject: Maths

Unit: Summer Term

	Launching 1-2	Developing 3-4	Progressing 5-6	Mastering 7-9
S kills				
	I need to be able to use the skills of TENSILE in maths.	I use TENSILE skills sometimes in maths.	I can use each of the TENSILE skills confidently.	I can expertly use TENSILE and see how each skill helps me learn.
K nowledge				
Sequences	I can use a function machine with an input to find an output.	I can find missing terms in number patterns and explain the rules used.	I can use the nth term of a sequence to find the first 5 terms of a sequence.	I can find the nth term of a linear sequence.
Significant figures	I can use place value to determine the value of a digit in a number.	I can round numbers to the nearest whole, ten or hundred.	I can round numbers to any given significant figure.	I can round solutions to problems to an appropriate significant figure.
Using a calculator	I can use BIDMAS with whole positive numbers.	I can use BIDMAS with negative numbers and work with negative numbers in a calculator.	I can use the fractions and brackets functions on a calculator.	I can use the powers and roots buttons on a calculator.
Perimeters	I can find the perimeter of basic shapes including rectangles, triangle and parallelograms.	I can find the perimeter of basic shapes where unit conversion is required e.g. some lengths in mm and some in cm.	I can find the perimeter of a compound shape.	I can solve problems using perimeter of shapes in context.
Area	I can recognise 2D shapes. I can use squares to find an area.	I can find the area of rectangles and triangles.	I can find the area of a parallelogram and trapezium.	I can solve area problems in context and use algebra.
Plans and elevations	I can draw a plan and side elevation of a given 3D solid.	I can draw a 3D solid given its plan and side elevations.	I can draw a 3D solid given its net.	I can find the surface area of any prism.

Scale diagrams

I can convert measurements from a map to real life using a given scale factor.

I can convert a measurement from real life to a map using a given scale factor.

I can create a scale drawing from a real life context e.g. scale drawing of your bedroom.

I understand and use map scales to solve problems in context.