Assessment Grid Summer Term					
Subject: Maths		**Year: 9**			
Starting point:		Foundation	Intermediate	Higher	Exceptional
Outstanding		Consistently achieving all criteria assigned to next starting point →	Consistently achieving all criteria assigned to next starting point →	Consistently achieving all criteria assigned to next starting point →	
Above		Achieving all criteria for 'Expected' as well as 1-2 criteria assigned to Intermediate.	Achieving all criteria for 'Expected' as well as 1-2 criteria assigned to Higher.	Achieving all criteria for 'Expected' as well as 1-2 criteria assigned to Exceptional.	
Expected Students must be secure in **all** of the criteria to be awarded **'Expected'.**	**K N O W L E D G E**	**Indices and Standard Form** Give the positive square root of a number. Know square numbers upto 15x15. Use a calculator to find squares and roots. Recall cubes of 2,3,4,5 and 10. Write numbers to one significant figure in standard form and vice versa. **Transformations** Reflect a shape in a given mirror line. Recognise whether a reflection is correct. Enlarge a shape by a positive whole number scale factor with no centre of enlargement. Translate a shape given directions in words. **Conversions** Convert between metric units of length, volume and capacity. **Compound Measures** Calculate speed in simple cases. Calculate pressure and density in simple cases.	**Indices and Standard Form** Be able to estimate square roots of non-square numbers less than 100. Be able to use mental strategies to solve word problems set in context using squares, cubes and roots. Use laws of indices to multiply and divide numbers written in index form. Write numbers greater than 10 in standard form and vice versa. Write numbers less than 1 in standard form and vice versa. Compare numbers written in standard form. **Transformations** Enlarge a shape by a positive whole number scale factor using a centre of enlargement. Use vector notation for translations. Find a centre of rotation. Recognise what transformation has happened to a shape. **Conversions** Know rough metric equivalents to imperial measurements in daily use. Convert between area measurements. Convert between currencies. **Compound Measures** Calculate average speed, distance or time from a word problem. Calculate using the pressure and density formulae.	**Indices and Standard Form** Be able to find square roots by factorising. Be able to find cube roots by factorising. Use more complex laws of indices to simplify expressions with numbers written in standard form. Calculate with numbers written in standard form. Recognise when a number is not in standard form and be able to change it into standard form. **Transformations** Enlarge a shape by a fractional scale factor using a centre of enlargement. Describe a transformation fully. Transform shapes by combinations of transformations. **Conversions** Convert between metric and imperial measurements. Convert between compound measures. Convert imperial units to imperial units. **Compound Measures** Calculate with compound measures when not all measurements are given in the appropriate measurement. Solve problems involving compound measures where quantities may need to be combined.	**Indices and Standard Form** Find the value of calculations including negative and fractional indices **Transformations** Enlarge 2D shapes by a negative, fractional scale factor. **Compound Measures** Calculate upper and lower bounds of compound measures.

	S K I L L S	Applies knowledge to solve simple problems involving indices and standard form. Applies knowledge to solve simple problems involving transformations. Applies knowledge to solve simple problems involving conversions. Applies knowledge to solve simple problems involving compound measures.	Applies knowledge to solve problems involving indices and standard form. Applies knowledge to solving more complex transformation problems. Applies knowledge to solving more complex conversion questions. Applies knowledge to solve more complex compound measure problems.	Applies knowledge to solve complex problems involving indices and standard form. Applies knowledge to solving complex transformation problems. Applies knowledge to solving complex conversion questions. Applies knowledge to solving complex compound measures problems.	Applies knowledge to solve complex and abstract problems.
Working towards		Not yet secure enough to fulfil all criteria assigned to **'Expected'.**	Not yet secure enough to fulfil all criteria assigned to **'Expected'.**	Not yet secure enough to fulfil all criteria assigned to **'Expected'.**	Not yet secure enough to fulfil all criteria assigned to **'Expected'.**