Assessment Grid Autumn 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'.**	**KNOWLEDGE** **Integers, rounding, decimals and fractions** Calculate and solve simple order of operation questions Round to significant figures and decimal places. To estimate the answers to simple problems To use all four operations with decimals and fractions To convert between improper fractions and mixed numbers. To find the reciprocals of whole numbers and simple fractions Write fractions as decimals and vice versa. **Angles, area and volume** Use angle facts to find missing angles in triangles and quadrilaterals. Use the formula for the area of a parallelogram. Find the area and circumference of a circle Calculate volume and surface area of prisms	**Integers, rounding, decimals and fractions** Calculate and solve more advanced order of operation questions involving brackets and squares To use knowledge of rounding to significant figures to estimate the answers to problems To use inequality notation to specify error intervals To use all four operations with decimals, decimals and mixed numbers To find the reciprocals of all fractions and whole numbers Write fractions as decimals and vice versa including some recurring decimals **Angles, area and volume** Use angle facts to find missing angles in polygons. Use the formula for the area of a trapezium and compound shapes. Calculate the volume and surface area of more complex prisms, including cylinders Find the perimeter and area of semi-circles and quarter circles.	**Integers, rounding, decimals and fractions** Calculate and solve more advanced order of operation questions involving negative numbers, squares and brackets To use inequality notation to specify error intervals including truncated number. To use the knowledge of place value to multiply or divide two numbers less than 1 To find reciprocals of decimals. Write simple recurring decimals as a fraction. **Angles, area and volume** Use angle facts to find the number of sides a polygon has from its angles. Calculate lengths and area of prisms when given the volume. Calculate the perimeter and area of sectors of circles.	**Integers, rounding, decimals and fractions** To solve calculations involving upper and lower bounds. Write all recurring decimals as a fraction. **Angles, area and volume** Calculate the upper and lower bounds of 2D measurements (e.g area)

	SKILLS	Applies knowledge to solve simple problems involving integers, rounding, decimals and/or fractions. Applies knowledge to solve simple problems involving angles. Applies knowledge to solve simple problems involving area and/or volume.	Applies knowledge to solve problems involving integers, rounding, decimals and/or fractions. Applies knowledge to solving more complex angle problems Applies knowledge to solving more complex area and volume questions.	Applies knowledge to solve complex problems involving integers, rounding, decimals and/or fractions. Applies knowledge to solving complex angle problems Applies knowledge to solving complex area and volume questions.	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'**.