

	Working Towards	Expected Standard	Greater Depth
	By the end of Year 9 a student should be able to:	By the end of Year 9 a student should be able to:	By the end of Year 9 a student should be able to:
A U T U M N	<ul style="list-style-type: none"> Can expand and factorise single brackets Can change the subject of a simple two step formula Can solve equations in context using perimeter and angles Can solve a pictorial representation of a simultaneous equation Can find and plot coordinates Can calculate a midpoint between coordinates Can interpret a real-life graph 	<ul style="list-style-type: none"> Can expand and factorise a binomial Can rearrange a formula Solve equations with unknowns on both sides contextual equations with unknowns on both sides Solve simultaneous equations Can find an endpoint of a coordinate given a midpoint Solve problems with coordinate grids Can solve problems with pythagoras Can plot a line from an equations Can find the equation of a straight line Can interpret the gradient of a real-life graph 	<ul style="list-style-type: none"> Can expand and factorise a binomial where the coefficient of x^2 is >1 Can form and solve a simultaneous equation Can find coordinates and midpoints in three dimensions Can use pythagoras to find the distance between two points Find the gradient of parallel and perpendicular lines

S P R I N G	<p>Can find the cost of a multiple of an item using proportion</p> <p>Able to perform four operations on fractions</p> <p>Can increase and decrease by a percentage using a multiplier</p> <p>Can solve a ratio given a whole or a part</p> <p>Can scale a recipe</p> <p>Can convert a currency</p> <p>Can simplify expressions using multiple laws of indices</p> <p>Can put a number into and out of standard form</p>	<p>Can solve problems using direct and inverse proportional reasoning</p> <p>Can calculate a best buy</p> <p>Can calculate a speed, density and pressure</p> <p>Can convert between compound units</p> <p>Can use a multiplier method to calculate repeated percentage change</p> <p>Can calculate a percentage change</p> <p>Can solve a reverse percentage problem</p> <p>Can perform four operations on numbers in standard form</p>	<p>Can create simple direct and inverse proportion questions involving x</p> <p>Can calculate a multi-step speed problem</p> <p>Can calculate the density of two liquids mixed together</p> <p>Can solve a multi-step reverse percentage problem</p> <p>Can solve a functional problem involving volumes/ pythagoras with numbers in standard form</p>
S U M M E R	<p>Can calculate the probability of an event happening</p> <p>Can sum probabilities to one and find missing quantities</p> <p>List outcomes using a sample space diagram</p> <p>Can draw a scatter graph including line of best fit</p> <p>Can fill in missing values in a frequency tree</p> <p>Can reflect and rotate a shape</p> <p>Can perform a basic enlargement with integer scale factor</p> <p>Can state if two shapes are similar</p>	<p>Can find a relative frequency using probability</p> <p>Can complete a basic probability tree</p> <p>Understand and use set notation</p> <p>Draw and interpret a venn diagram</p> <p>Can interpret a scatter diagram using a line of best fit</p> <p>Understand correlation</p> <p>Can complete a two-way table</p> <p>Can complete a frequency tree involving fractional and percentage amounts</p> <p>Can rotate and enlarge a shape from a given point</p> <p>Can describe a transformation or multiple transformations</p> <p>Can find missing sides in similar shapes and triangles</p>	<p>Can calculate a probability from a probability tree</p> <p>Can calculate a probability from set notation</p> <p>Can enlarge shapes with fractional and negative scale factors</p>