



Year 9 DC1 Maths

Learning Focus	Emerging	Developing	Securing	Mastering	Beyond
Straight line graphs	<p>I can:</p> <ul style="list-style-type: none"> Plot and read coordinates in the first quadrant. Plot lines parallel to the axes. 	<p>I can:</p> <p>Complete all in emerging as well as:</p> <ul style="list-style-type: none"> Plot and read coordinates in all four quadrants. Use tables of values Plot lines in the form $y = mx$ Plot lines in the form $y = x + y$ Plot lines of the form $x + y = a$, $y - a = x$ and $x - y = a$ 	<p>I can:</p> <p>Complete all in emerging and developing as well as:</p> <ul style="list-style-type: none"> Compare gradients Compare intercepts Plot lines in the form $y = mx + c$ 	<p>I can:</p> <p>Complete all in emerging, developing, and secure as well as:</p> <ul style="list-style-type: none"> Find the equation of a line from a graph Interpret gradients and intercepts of real-life graphs 	<p>I can:</p> <p>Complete all in emerging, developing, securing, mastering as well as:</p> <ul style="list-style-type: none"> Write an equation in the form $y = mx + c$ Model real-life graphs involving inverse proportion Explore perpendicular lines
Form and solve equations	<p>I can:</p> <ul style="list-style-type: none"> Solve 1-step equations involving addition and subtraction Solve 1 step equations involving multiplication and division Expand a single bracket by multiplying by a positive whole number Rearranging formulae (one-step) 	<p>I can:</p> <p>Complete all in emerging as well as:</p> <ul style="list-style-type: none"> Solve 2-step equations (no fractions, no brackets) Interpret a simple inequality Represent a single inequality on a number line Solve 1-step inequality Rearranging formulae (two-steps) 	<p>I can:</p> <p>Complete all in emerging and developing as well as:</p> <ul style="list-style-type: none"> Solve 2-step equations (fractions and brackets) Interpret an inequality Represent a composite inequality on a number line Solve 2-step inequalities Substitute into formulae and into equations 	<p>I can:</p> <p>Complete all in emerging, developing, and secure as well as:</p> <ul style="list-style-type: none"> Solve equations with the unknown on both sides Solve inequalities involving brackets Solve inequalities with the unknown on both sides Rearranging formulae involving squares and cubes 	<p>I can:</p> <p>Complete all in emerging, developing, securing, mastering as well as:</p> <ul style="list-style-type: none"> Solve inequalities with negative numbers Equations and inequalities in other mathematical contexts Rearranging complex formulae





			<ul style="list-style-type: none"> Rearranging formulae involving fractions (no powers) 		
<p>Test Conjectures</p>	<p>I can:</p> <ul style="list-style-type: none"> Find the factors of a number Find the multiples of a number Identify factors and multiples of a number from a given list Interpret a simple Venn diagram 	<p>I can:</p> <p>Complete all in emerging as well as:</p> <ul style="list-style-type: none"> Identify a prime number from a list Identify true or false statements regarding factors, multiples and prime numbers Make simple conjectures about number Create a simple Venn diagram 	<p>I can:</p> <p>Complete all in emerging and developing as well as:</p> <ul style="list-style-type: none"> Write a number as the product of its prime factors Evaluate 'always, sometimes and never true' statements involving factors, multiples and prime numbers Interpret and create Venn diagrams involving factors, multiples and primes Evaluate show that arguments (number) Make more complex conjectures about number Expand a pair of binomials (all terms positive) 	<p>I can:</p> <p>Complete all in emerging, developing, and secure as well as:</p> <ul style="list-style-type: none"> Evaluate 'always, sometimes and never true' statements involving factors, multiples and prime numbers (involving algebra) Evaluate show that arguments (arguments) Expand a pair of binomials Form conjectures with algebra Explore the 100 Grid 	<p>I can:</p> <p>Complete all in emerging, developing, securing, mastering as well as:</p> <ul style="list-style-type: none"> Form conjectures with algebra involving squares Expand three binomials



Hope



Endurance



Forgiveness



Trust