


Subject	Year	Month	 Balcarras <small>From strength to strength</small>	
<b>Mathematics</b>	10	October		
<b>Topic:</b>				
<b>Solving Linear Equations including setting up and rearranging formulae</b>				5 lessons
Content (Intent)				
<b>Prior Learning</b>  Year 9 Solving linear equations and inequalities January Year 9 Expanding and factorising October			<b>Future Learning</b> Year 10 & 11 Every opportunity should be taken to introduce an algebraic element to each topic e.g. algebraic angles in a triangle.	
<b>Objectives</b>				
<ul style="list-style-type: none"> <li>• Solve linear equations, with integer or fractional coefficients, brackets, and in which the unknown appears on either side or on both sides of the equation;</li> <li>• Form and solve linear equations from word and geometric problems, then solve these equations, interpreting the solution in the context of the problem;</li> <li>• Change the subject of a formula, including cases where the subject is on both sides of the original formula, or involving fractions and small powers of the subject;</li> </ul>				
<b>Pedagogical notes (implementation)</b>			<b>How will understanding be assessed &amp; recorded (Impact)</b>	
Students can leave their answer in fraction form where appropriate. Use examples involving formulae for circles, spheres, cones and kinematics when changing the subject of a formula.			<b>End of half term</b> Assessment in Oct <b>End of Year</b> Mocks in April	
			<b>How can parents help at home?</b>	
			<b>MathsWatch clips (Qualification GCSE)</b> 137, 135a, 95 101, 136, 190 193 179, 180	
<b>Further reading/discussion</b>				
<b>Reading / Enrichment</b> <a href="http://passyworldofmathematics.com/real-world-mathematics-formulas/">http://passyworldofmathematics.com/real-world-mathematics-formulas/</a>	<b>Literacy</b>	<b>Numeracy Links</b>	<b>Careers Links</b> Actuary Engineer Meteorologist Physicist Geologist	