## Yr9 Maths revision

Year 9: Set 1, 2 and 3	Year 9: Set 4 and 5
<ul> <li>Change the subject of a formula where the subject appears once only.</li> <li>Form algebraic expressions and equations from context.</li> <li>Find the volume of a prism.</li> <li>Determine angles in a right-angled triangle using trigonometry.</li> <li>Successive independent events (including tree diagrams).</li> <li>Understand, simplify and combine ratios, or work out quantities of items needed to obtain a given ratio.</li> <li>Find a quantity within a ratio where either the total amount, a particular amount or a difference in an amount is given.</li> <li>Change the subject of a formula where the subject appears multiple times.</li> </ul>	<ul> <li>Collect like terms.</li> <li>Solve linear simultaneous equations.</li> <li>Use laws of indices for multiplying powers, dividing powers and raising a power to a power. Deal with a power of 0.</li> <li>Convert a normal number to standard form.</li> <li>Find the nth term formula for a linear sequence.</li> <li>Solve 2D problems using Pythagoras' Theorem.</li> <li>Explicitly enumerate all combinations.</li> <li>Find the perimeter and area of rectilinear shapes, including rectangles.</li> </ul>