



Science Enquiry		R	A	G
Variables: I can identify independent, dependent and control variables				
Variables: I can suggest pieces of equipment to measure different variables				
I can plot points on a line graph and add lines of best fit				
I can identify patterns in results and graphs and making conclusions				
I can interpret data on a graph to check for a proportional or inversely proportional relationship				

Forces		R	A	G
I can interpret the motion of a vehicle from a velocity time graph				
I can calculate acceleration from a velocity time graph				
I can calculate the distance travelled from a velocity time graph				
I can use Newton's second law to calculate force or acceleration				
I can calculate the spring constant from a force extension graph				
I can describe a method to carry out a practical to obtain data to show how the extension of a spring varies with force applied				
I can state the principle of the conservation of momentum				
I can solve problems using the principle of the conservation of momentum				
I can describe the sizes of the forces acting on an object at a depth in a fluid				
I can use equations for pressure and pressure at a depth in a fluid to calculate the density of a fluid				



Radioactivity		R	A	G
I can calculate half life of a radioactive source given data on remaining number of nuclei				
I can describe the process of nuclear fission				
I can state where nuclear fusion occurs				
I can compare and evaluate the use of fission and fusion as energy resources				

Electricity		R	A	G
I can use the equation for electrical power to solve problems in circuits				
I can predict changes in current flow when changes are made to a circuit by varying the resistance				

Resources required for revision

Exercise books

Practice exam questions

Suggested websites

<https://www.bbc.co.uk/bitesize/guides/zgvq4qt/revision/1>

<https://www.bbc.co.uk/bitesize/guides/z9v8msg/revision/1>

<https://www.bbc.co.uk/bitesize/guides/z93dxfr/revision/1>

<https://www.bbc.co.uk/bitesize/guides/zwc7pbk/revision/4>

<https://www.bbc.co.uk/bitesize/guides/zytb8mn/revision/1>