



<b>Science Enquiry</b>		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 describe a scientific method to produce valid results				
I can identify patterns in results and graphs and making conclusions				

<b>Organisms</b>		R	A	G
I can identify the amount of a nutrient when given data about different foods				
I can state what each nutrient is needed for in the body				

<b>Reactions</b>		R	A	G
I can explain and apply the principle of the conservation of mass during a chemical reaction				
I can identify the products of combustion and give their chemical symbols				
I can state how you can tell if a chemical reaction has taken place				
I can identify products from a displacement reaction				
I can use the reactivity series to identify if a displacement reaction will take place				

<b>Electromagnetism</b>		R	A	G
I can state the effect of magnets on magnetic metals, non magnetic metals and other magnets				
I know the magnetic metals				
I can state how you can increase the strength of an electromagnet				

<b>Waves</b>		R	A	G
I can interpret wave diagrams and compare the volume and pitch of a sound wave				
I can state how the vibration of the ear drum will change if the volume of the sound gets louder				



## Science – Year 8 – 2022/3 End of Year Assessments

I know the law of reflection and can use it to complete a ray diagram to show reflection from a mirror				
I can explain why an object appears a particular colour				

<b>Earth</b>		R	A	G
I can identify the main constituents of the Earth's atmosphere what percentage of the atmosphere they make up				
I interpret data about how levels of gases in the atmosphere have changed				
I can explain changes in levels of gas in the atmosphere using my knowledge of burning of fossil fuels				

<b>Genes</b>		R	A	G
I can explain how characteristics are passed on from parent to offspring				
I can explain how organisms can be selectively bred by choosing parents with desirable features to cross breed				
I can explain changes in levels of gas in the atmosphere using my knowledge of burning of fossil fuels				

<b>Ecosystems</b>		R	A	G
I can compare aerobic and anaerobic respiration				
I can name parts of a animal and plant cell				
I can state the reactants and products of photosynthesis				
I know where photosynthesis takes place in a leaf				
I can discuss factors that might affect the rate of photosynthesis				



Resources required for revision

Exercise books

Topic booklets including – Checklists, Key knowledge questions, knowledge organisers and practice exam questions

**Suggested websites**

<https://www.bbc.co.uk/bitesize/topics/zf339j6/articles/zmwvghdm>

<https://www.bbc.co.uk/bitesize/topics/zvrrd2p/articles/zcsbmsg>

<https://www.bbc.co.uk/bitesize/topics/zvrrd2p/articles/zn4sv9q>

<https://www.bbc.co.uk/bitesize/topics/zpffr82/articles/zgpf9g>

<https://www.bbc.co.uk/bitesize/topics/zypsgk7/articles/z9sptrd?course=zhkkkty>

<https://www.bbc.co.uk/bitesize/topics/zypsgk7/articles/zxh7jsg>

<https://www.bbc.co.uk/bitesize/topics/zypsgk7/articles/zcwxcj6>

<https://www.bbc.co.uk/bitesize/topics/zrvbkqt/articles/z8g996f>

<https://www.bbc.co.uk/bitesize/topics/zrvbkqt/articles/z7922v4>

<https://www.bbc.co.uk/bitesize/topics/z4brd2p/articles/zvdpf82>

<https://www.bbc.co.uk/bitesize/topics/z4brd2p/articles/z96g3j6>

<https://www.bbc.co.uk/bitesize/topics/zw982hv>