
 <p><u>Working scientifically</u></p> <p><u>(y5 + 6)</u></p> <ul style="list-style-type: none"> • I know how to plan different types of scientific enquiry. • I know how to control variables in an enquiry. • I measure accurately and precisely using a range of equipment. • I know how to record data and results using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs. • I use the outcome of test results to make predictions and set up a further comparative and fair tests. • I report findings from enquires in a range of ways. • I know how to explain a conclusion from an enquiry. • I explain causal relationships in an enquiry. • I know how to relate the outcome from an enquiry to scientific knowledge in order to state whether evidence supports or refutes and argument or theory. • I read, spell and pronounce scientific vocabulary accurately. 	<p><u>Biology</u></p> <p><u>Living things and their habitats</u></p> <ul style="list-style-type: none"> • I classify living things into broad groups according to observable characteristics and based on similarities and differences. • I know how living things have been classified. • I give reasons for classifying plants and animals in a specific way. <p><u>Animals including humans</u></p> <ul style="list-style-type: none"> • I identify and name the mains parts of the human circulatory system. • I know the function of the heart, blood vessels and blood. • I know the impact of diet , exercise, drugs and life style on health. • I know the ways in which nutrients and water are transported in animals, including humans. 	<p><u>Biology</u></p> <p><u>Evolution and inheritance</u></p> <ul style="list-style-type: none"> • I know how the Earth and living things have changed over time. • I know how fossils can be used to find out about the past. • I know about reproduction and offspring. • I know how animals and plants are adapted to suit their environment. • I link adaption over time to evolution. • I know about evolution and can explain what it is. 	 <p><u>Physics</u></p> <p><u>Light</u></p> <ul style="list-style-type: none"> • I know how light travels. • I know and demonstrate how we see objects. • I know why shadows have the same shape as the object that casts them. • I know how simple optical instruments work. E.g. periscope, telescope, binoculars, mirror magnifying glass. <p><u>Electricity</u></p> <ul style="list-style-type: none"> • I know the number and voltage of cells in a circuit links to the brightness of a lamp or the volume of a buzzer. • I compare and give reasons for why components work and do not work in a circuit. • I draw circuit diagrams using correct symbols.
---	--	--	--