

Science					
	Autumn		Spring		Summer
Year6	Interdependence/microorganism / Evolution and Inheritance		Electricity and Light		Animals including Humans and Sound
	Term1	Term2	Term1	Term2	Term1/2
	Interdependence	Evolution	Electricity	Light	Animals including humans
Knowledge	<ul style="list-style-type: none"> -Carl Linnaeus classification in more detail -how to classify plants, animals and microorganism using varied ways -why living things are placed in one group and not another -the advantages and disadvantages of microorganisms 	<ul style="list-style-type: none"> - know about evolution and can explain what it is -recognise that living things produce offspring of the same kind , but normally offspring vary and are not identical to their parents -adaptations in different animals giving reasons - plant adaptations giving reasons -fossils role in studying evolution in living things -characteristics of parent and offspring -How evolution happens? -what reason animals become extinct? 	<ul style="list-style-type: none"> -use of simple circuits in daily life appliances -how to use symbols to construct simple circuits -the terms; resistance, current and voltage -electrical safety measures giving reasons 	<ul style="list-style-type: none"> -difference between reflection and refraction -of the natural phenomena because of refraction -how the human eye works -uses of different types of mirrors 	<ul style="list-style-type: none"> - identify and name the main parts of the human circulatory system -describe the functions of the heart, blood vessels and blood - understand how some drugs and other substances can be harmful to the human body. -understand the effects of alcohol and smoking on health.
(skills)	<ul style="list-style-type: none"> -plan a fair test to investigate how temperature affect how much gas the yeast produces? – How would you make a classification key for vertebrates/ invertebrates/ microorganism - What happens to a piece of bread if you leave it on a windowsill for two weeks? –What do different types of microorganism do? Are they always harmful? 	<ul style="list-style-type: none"> —How has the skeleton of the horse changed over time? -What ideas did American geneticist Barbara McClintok have about genes that won her a Nobel Prize? - is there a pattern between the size and shape of a bird’s beak and the food it will eat? -compare the skeletons of apes, humans and Neanderthals- how are they different? 	<ul style="list-style-type: none"> -plan a fair test to investigate how thickness of wire affects the amount of current -plan a fair test to investigate how voltage of battery affects the loudness of a buzzer 	<ul style="list-style-type: none"> -plan a fair test to investigate the relationship between light sources, objects and shadows by using shadow puppets -investigate periscope and kaleidoscope compare the two types of eclipses -investigate what happens to the number of images when the angle between two mirrors changes? 	<ul style="list-style-type: none"> -plan and investigate benefits of exercise for different purposes associated with fitness and health -identify and describe causes of high cholesterol and its impact on the circulatory system -research blood groups -design a weekly food plan that supports a healthy lifestyle (showing awareness of both social and religious beliefs, including sustainability) - how does my heart rate changes over the day?
Key V.	<ul style="list-style-type: none"> refined immunisation parasite Linnaean classification bacteria non-flowering plants microorganism 	<ul style="list-style-type: none"> hybrid adaptation variation genetics mutation fossils evolution 	<ul style="list-style-type: none"> potency resistance battery voltage electrical insulator electricity switch 	<ul style="list-style-type: none"> phenomena contingency ray reflection refraction mirror dispersion 	<ul style="list-style-type: none"> malnutrition Intoxication aerobics cardiovascular nutrients oxygenated deoxygenated circulatory system blood

Links	Design and Technology War time recipes		Computing Data and information- Spreadsheets Maths Statistics	Computing Data and information- Spreadsheets Maths Statistics	Reading Animals in Danger English Balanced argument/ Write up from debate- Or Should animals be kept in zoos? Maths Statistics	PE Cricket Hockey Athletics Netball PSHSE Healthy me Maths Statistics
Subject Builder	Question 6	Questions 2,3 & 4	Questions 1,2, & 3	Questions 6,7 & 8	Questions 3, 6 & 7	