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 (must know)	-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	- 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?	-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	-difference between reflection and refraction -of the natural phenomena because of refraction -how the human eye works -uses of different types of mirrors	- 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) (be able to)	-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?	–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?	-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	-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?	-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.	refined immunisation parasite Linnaean classification bacteria non-flowering plants microorganism	hybrid adaptation variation genetics mutation fossils evolution	potency resistance battery voltage electrical insulator electricity switch	phenomena contingency ray reflection refraction mirror dispersion	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
Ass.						
Performance/debate/ world of work						