

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

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 5, 6 & 8	Questions 2,3,5 & 8	Questions 1,2, 3 & 4c	Questions 6, 8 & 9	Questions 3, 4, 6 & 8	