Year 5 Term and topic	Aut 1 Earth and space	Aut 2 Forces	Spr 1 Living things and their habitats- life cycles	Spr 2 Living things and their habitats- life cycles	Sum 1 Animals incl. humans	Sum 2 Properties and changes of materials- reversible and irreversible changes
Working Scientifically	• Create simple models of the solar system • Investigate how shadows change throughout the day by taking accurate measurements and to report and present findings, including conclusions • Carry out research into planets in the solar system • Report and present findings from enquiries • Identify scientific evidence that has been used to support or refute ideas or arguments	• Plan and carry out a fair/comparative test to find the best design for a parachute, recognising and controlling variables • Investigate effect of water resistance on objects in water and to record data using scientific diagrams and labels • Take measurements with increasing accuracy and precision • Identify scientific evidence that has been used to support or refute ideas or arguments • Design and make artefacts that use simple levers, pulleys, gears and/or springs and explore their effects	• Observe the life cycles of plants and animals in their local environment and compare with other animals and plants around the world • Grow own plants from bulbs, seeds and cuttings and observe how they change over time • Research the life cycles of animals and plants from around the world and present their findings in a way of their choice		• Research the changes that humans go through as they age • Carry out an investigation to answer the question 'How does a child's age affect their height?' • Record results in a line graph • Use test results to plan and set up another test • Take measurements with increasing accuracy and precision • Record data using scatter graphs • Present their findings in an eBook	• Observe and compare how different materials change in different conditions • Sort materials into those that dissolve and those that don't • Take measurements with increasing accuracy and precision, taking repeat readings when appropriate • Record data in an appropriate way • Use test results to make predictions to set up further comparative tests. • Research and present findings about a scientist who invented a new material.
Enquiry types	Research Observation over time	Fair/comparative test	Observation over time Research		Research Pattern seeking survey	Comparative test Observation over time Identifying and classifying Research

Year 6 Term and topic	Aut 1 Light	Aut 2 Electricity	Spr 1 Evolution and inheritance	Spr 2 Living things and their habitats- classification	Sum 1 Animals incl. humans- the circulatory system, exercise and health	Sum 2 Animals incl. humans- the circulatory system, exercise and health
Working Scientifically	• Plan and carry out an investigation to explore the relationship between light sources, objects and shadows, recognising and controlling variables. • Take measurements with accuracy and precision • Record results in a table and line graph • Observe how light behaves	• Plan different types of scientific enquiries to answer questions about electrical circuits, recognising and controlling variables where necessary • Choose how to record results appropriately • Use test results make predictions to set up further fair and comparative tests • Systematically identify the effect of changing one component at a time in a circuit	• Research the adaptations of an animal or plant and report and present findings. • Investigate and analyse certain adaptations and draw conclusions • Identify scientific evidence that has been used to support or refute ideas or arguments • Observe local animals and how they are adapted to the local environment	• Research a significant scientist and present findings • Use classification systems and keys to classify animals and plants in the local environment • Research unfamiliar animals and plants from a broad range of other habitats and decide where they belong in the classification system • Create their own classification keys • Record data and results using classification keys	• Investigate the effect of exercise on heart rate and record data in an appropriate way • Report and present findings from this enquiry, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations • Research the impact of diet, exercise, drugs and lifestyle on the way their body's function • Present their research as an eBook	
Enquiry types	Fair test Pattern seeking survey	Comparative test	Research Observation over time	Identifying and classifying Research	Research Comparative test	