Year 1 Term and topic	Aut 1 Animals inc. humans - human body	Aut 2 Seasonal changes and plants	Spr 1 Materials – comparing and changing materials	Spr 2 Materials – suitability for different uses	Sum 1 Plants- naming and identifying plants, structure of plants	Sum 2 Animals inc. humans – identification, grouping and needs of animals
Working scientifically	• Observe humans closely using mirrors and hand lenses. • Observe changes in humans as they get older. • Use senses to compare different textures sounds and smells. • Use simple equipment to gather data to answer the question: Do taller people have larger feet? • Use their observations to suggest an answer to the question.	• Observe plants closely using hand lenses. • Perform a simple test to find out what conditions plants need to grow and stay healthy. • Measure the growth of plants and record results in a table. • Make a block graph about the weather to answer the question: How does the weather change over the seasons?	• Identify different materials. • Sort and group materials based on their properties. • Observe how the shapes of some solid objects can be changes and record their observations. • To perform a simple test to test different materials' properties, e.g. which materials are waterproof? • To use their data to answer this question.	• Identify and compare different materials. • Ask simple questions about the suitability of different materials and recognise ways that they can be answered. • Perform a simple test to answer the question: Which is the best material for a tent? • Use their observations to suggest an answer to the question.	• Observe plants closely using hand lenses. • Identify common examples of plants. • Compare and contrast different plants. • Make detailed drawings of plants and label the different parts. • Make block graph about the weather to answer the question: How does the weather change over the seasons? Compare this to their block graph from Aut 2	• Identify and group different animals according to their features and what they eat. • Observe animals first hand and to compare and contrast different animals. • To ask questions about what they observe and to recognise these can be answered in different ways. • To find things out about animals and what they eat using simple secondary sources.
Enquiry types	Pattern seeking survey Observation over time Identifying and classifying	Comparative test Observation over time (carried on into Sum 1)	Identifying and classifying Comparative test	Identifying and classifying Comparative test	Identifying and classifying Observation over time	Identifying and classifying Research

Year 2 Term and topic	Aut 1 Animals inc. humans - human body, growth and needs	Aut 1 Living things and their habitats	Spr 1 Animals inc. humans – health and social hygiene	Spr 2 Plants	Sum 1 Materials	Sum 2 Plants
Working scientifically	• Use observations and measurements, at first hand or through photographs, to see how humans grow. • Describe how they identify and group humans. • To ask simple questions and recognise they can be answered in different ways. • To use their observations to suggest answers to questions.	• Identify a variety of plants and animals in their habitats, including micro-habitats. • To carry out a simple test to see which microhabitat has the most minibeasts living there. • Record results as a block graph/pictogram and compare. • To ask questions about different habitats around the world and the animals and plants that live there. • To use simple secondary sources to find out about habitats from around the world and the animals and plants that live there.	• Ask simple questions about human basic needs and health and recognise these can be answered in different ways. • Carry out a simple test to investigate the effect that exercise has on their bodies. • Use their observations to suggest answers to questions. • Use simple secondary sources to find out the answers to questions.	• To ask questions about plants and as a class decide on a question to carry out a pattern seeking survey relating to seeds/plants, e.g. Do larger seeds grow larger plants? • Observe stages of plant growth and record their observations. • Observe how the weather changes over the seasons and the types of plants that grow – record their observations.	• Identify different materials • Sort and group materials based on their properties. • Observe how the shapes of some solid objects can be changes and record their observations. • To perform a simple test to test different materials' properties, e.g. which materials are waterproof? • To use their data to answer this question.	• To use simple equipment to gather data to answer the question: Do larger flowers have more petals than smaller flowers? Or a similar question generated by the class. • To use their data to suggest an answer to the question. • Observe how the weather changes over the seasons and the types of plants that grow – record their observations. (Compare to Spr 2)
Enquiry types		Identifying and classifying Comparative test Research	Comparative test Research	Pattern seeking survey Observation over time (continued in Sum 2)	Identifying and classifying Comparative test	Pattern seeking survey Observation over time