



	Autumn Term Castles and Knights		Spring Term Around the World		Summer Term Time Travel	
Area of Science	Y1 and Y2: Everyday Materials		Y1: Seasonal Changes	Y1 and Y2: Animals, including Humans	Y1 and Y2: Everyday Materials	
Knowledge	<ul style="list-style-type: none"> Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock. Describe the simple physical properties of a variety of everyday materials. Compare and group together a variety of everyday materials on the basis of their simple physical properties. Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. 		<ul style="list-style-type: none"> Observe changes across the four seasons Observe and describe weather associated with the seasons and how day length varies 	<ul style="list-style-type: none"> Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals Identify and name a variety of common animals that are carnivores, herbivores and omnivores Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets) Notice that animals, including humans, have offspring which grow into adults 	<ul style="list-style-type: none"> Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock. Describe the simple physical properties of a variety of everyday materials. Compare and group together a variety of everyday materials on the basis of their simple physical properties. Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. 	
Key Vocabulary	rough/smooth, flat/bumpy, sharp/blunt, useful, wood, metal, plastic, glass, rock, materials, properties, magnetic, non-magnetic	waterproof, absorbent, absorbency, break/tears, materials, properties, strong, weak hypothesis	weather, rain, rainfall, snow, precipitation, storm, thunder, lightning, cloudy, clothing, warm, cold, forecast, wind, direction, gauge, patterns, Summer, Autumn, Winter, Spring, seasons, day, night, shadow, light, dark	birds, reptiles, mammals, invertebrates, habitats, carnivores, herbivores, omnivores, basic needs, water, food, air, breathing, survival, offspring, babies, adults group, classify,	water, ice, melts, frozen, materials, properties, absorbency, waterproof, strong, resist observe	solid, liquid, squash, bend, twist, stretch
Cross-curricular Links	DT – building castles and structures to test different materials, their strength and suitability		Geography – What is the weather and climate like in different parts of the world? What are the seasons like in different parts of the World?	Geography – What habitats exist in different parts of the World? What animals live in these habitats?	History – how have different inventions in the past helped us? How do we know about the past and how they used materials differently?	
Scientific Enquiry Methods			<ul style="list-style-type: none"> Observe changes over time Notice patterns and pattern seeking Group and classify 	<ul style="list-style-type: none"> Fair and comparative testing Researching/secondary sources 		
Working Scientifically Skills			<ul style="list-style-type: none"> Asking simple questions and recognising that they can be answered in different ways Observing closely, using simple equipment Performing simple tests 		<ul style="list-style-type: none"> Identifying and classifying Using observations and ideas to suggest answers to questions Gathering and recording data to help in answering questions 	