

KS1 Science Medium Term Planning- Cycle A

Year group KS1	Aspect	Main Enquiry Question	Learning Challenges	Knowledge	Working Scientifically
Autumn Spring Summer	Physics	<i>Why are there so many leaves on the floor?</i>	<p>LC1- What are seasons and why do we have them?</p> <p>LC2- Why are there so many leaves on the ground in Autumn?</p> <p>LC3- Why is it so cold in Winter?</p> <p>LC4- Why do most people love the Spring?</p> <p>LC5- Why don't we need to wear so many clothes in Summer?</p>	<ul style="list-style-type: none"> - Know the names and characteristics of each season. - Know about the weather associated with each season. - Know how day length varies. 	<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. - Identifying and classifying.
Autumn	Biology <i>Animals including humans</i>	<i>How will 5-a-day keep me healthy?</i>	<p>LC1- What will I take to Mars?</p> <p>LC2- Why would it not be sensible for me to eat sweets everyday?</p> <p>LC3- How does exercise affect the body?</p> <p>LC4- How do babies grow?</p> <p>LC5- Do all animals change as they grow?</p> <p>LC6- Reflection: How do you look after a pet?</p>	<ul style="list-style-type: none"> - Know the basic stages of a life cycle for animals (including humans). - Know why exercise, a balanced diet and good hygiene are important for humans. - Know what is reasonable for someone of their age to do with regard to exercise. - Know that certain people can be very good at certain sports but not others. - Know why certain foods may taste nice but eating too much can be unhealthy. - Know which fruits grow naturally in the UK. 	<ul style="list-style-type: none"> - Using their observations and ideas to suggest answers to questions. - Gathering and recording data to help in answering questions.
Spring	Biology	<i>Why would dinosaurs not make a good pet?</i>	<p>LC1- Who does this egg belong to?</p> <p>LC2- What did a dinosaur need to survive and how do we know they roamed our earth?</p> <p>LC3- Why did Wild want to remain in the forest?</p> <p>LC4- Which animals would we normally find in our rivers, lakes and ponds and why are they there?</p> <p>LC5- Why do humans live in houses?</p> <p>LC6- Reflection: Why do animals live where they do?</p>	<ul style="list-style-type: none"> - Know how to classify things as living, dead or never lived. - Know how a specific habitat provides for the basic needs of different kinds of animals and plants, and how they depend on each other. - Know how to identify and name a variety of plants and animals in their habitats, including micro-habitats. - Know and explain a simple food chain. - Know and name some different sources of food for animals. 	

<p>Summer</p>	<p>Biology</p>	<p><i>Which plants and birds would Evie find in our park?</i></p>	<p>LC1- Why would Jack find our park an interesting place to be? LC2- How can we identify the birds we find in our nearest park or around school? LC3- How can we keep a record of the different types of plants and trees we find in our nearest park or around school? LC4- Can we name the different parts of the plants and birds we see? LC5- Reflection: How can you put together a PowerPoint presentation of the birds, plants and trees seen?</p>	<ul style="list-style-type: none"> - Know and name a variety of common wild and garden plants. - Know and name the petals, stem, leaves and root of a plant. - Know and name the roots, trunk, branches and leaves of a tree. - Know the difference between deciduous and evergreen trees. - Know the names of our common birds including sparrow, starling, robin, blackbird etc. - Know where birds make their nests. 	
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<p>GDS Opportunities</p>	<ul style="list-style-type: none"> • Can they find out by watching, listening, tasting, smelling and touching? • Can they give a simple reason for their answers? • Can they talk about similarities and differences? • Can they explain what they have found out using scientific vocabulary? • Can they use ICT to show their working? • Can they make accurate measurements? • Can they observe features in the environment and explain that these are related to a specific season? • Can they observe and talk about changes in the weather? • Can they talk about weather variation in different parts of the world?
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