



Crawley Ridge Infant School – Progression in Science Grid



(Key Vocabulary, Knowledge and Skills)

Autumn 1

	Year R	Year 1	Year 2
Curriculum Links	ELG - Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	<ul style="list-style-type: none"> Pupils identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense. 	<ul style="list-style-type: none"> Pupils explore and compare the differences between things that are living, dead, and things that have never been alive Pupils notice that animals, including humans, have offspring which grow into adults Pupils find out about and describe the basic needs of animals, including humans, for survival (water, food and air, shelter) Pupils describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene
Working Scientifically	Playing and Exploring <ul style="list-style-type: none"> Plan and think ahead about how they will explore or play with objects. Respond to new experiences that you bring to their attention. Make independent choices Creating and thinking critically <ul style="list-style-type: none"> Sort materials.. 	<ul style="list-style-type: none"> observing closely identifying and classifying using their observations and ideas to suggest answers to questions 	<ul style="list-style-type: none"> asking simple questions and recognising that they can be answered in different ways observing closely identifying and classifying using their observations and ideas to suggest answers to questions gathering and recording data to help in answering questions
Key Experience	<ul style="list-style-type: none"> Autumn hunt- what are the signs of Autumn? What can we find? Collecting natural resources Take the children outside on a windy autumn day and support them to fly a kite. Can the children think about what might be keeping the kite in the air? 	<ul style="list-style-type: none"> Senses Investigation 	<ul style="list-style-type: none"> Alive, Once Alive, Never Alive Hunt Investigations – Effects of exercise on the body Pose own question(s) for an investigation
Key Knowledge <i>To demonstrate their understanding pupils will :</i>	<ul style="list-style-type: none"> Describe some basic seasonal changes between summer and autumn (the weather is getting colder/rainier, leaves changing colour, some trees lose their leaves) 	<ul style="list-style-type: none"> Name basic parts of the body that can be seen (head, neck, arms, elbows, legs, knees) Name basic parts of the face (face, ears, eyes, hair, mouth, teeth) 	<ul style="list-style-type: none"> Identify the four basic needs for survival (air, water, food, shelter) Identify things that are living, dead, and things that have never been alive

		<ul style="list-style-type: none"> Name the five main senses (sight, smell, taste, touch, hearing) Say which parts of the body are mostly associated with each sense (sight=eyes, smell=nose, taste=tongue, touch=hands/skin, hearing=ears) Compare different textures, sounds and tastes using appropriate vocabulary (e.g. Soft, hard, smooth, rough, bumpy) 	<ul style="list-style-type: none"> Recall some of the 7 life processes (move, respire, reproduce, grow, excrete, respond, need nutrients/energy) Identify several foods according to the basic food groups (fats and sugars, dairy, fruits and vegetables...) Explain that humans can stay healthy by eating a balanced diet, drinking plenty of water and exercising regularly. Explain why good hygiene is important for health and give two examples of how we can keep clean (link to PSHE)
Key Skills <i>To demonstrate their understanding pupils will:</i>	<ul style="list-style-type: none"> Sort and classify natural objects 	<ul style="list-style-type: none"> Identify and label basic parts of the body Sort and classify 	<ul style="list-style-type: none"> Draw and label the lifecycle of a human (baby, toddler, child, teenager, adult) Use their own observations to answer questions (e.g. What is the effect of exercise on the body?) Perform a simple comparative test Record data on a simple table Use the data they have collected to answer a question, commenting on similarities, differences and patterns
Key Vocabulary	<ul style="list-style-type: none"> Season, summer, autumn, wind, weather, hotter, colder 	<ul style="list-style-type: none"> main body parts (including head, neck, arms, elbows, legs, knees, face, ears, eyes, hair, mouth, teeth) senses, sight, touch, smell, taste, hearing Sweet, salty, sour 	<ul style="list-style-type: none"> Lifecycle, baby, toddler, child, teenager, adult, off spring hygiene, diet, germs, exercise, balanced diet, healthy, nutrients, alive, living, dead, move, respire, waste, respond, environment, reproduce, grow, nutrients, energy. muscles, organs, heart, lungs, bones

+