

Science Seal/ Beaver cycle A

These are the targets on which I am currently working: Yr 2/3/4/5/6 level

	Objectives:	Pupil:	Teacher:
Term 1 Animals inc humans	I can notice that animals, including humans, have offspring which grow into adults.		
	I can find out and describe the basic needs of animals, including humans, for survival(water, food and air.)		
	I can suggest the things animals need for survival and to stay healthy.		
	I can identify some of the main parts of the human body.		
	I can think what might happen to humans if they didn't have skeletons.		
	I can compare and contrast the diets of different animals.		
	I can describe the basic parts of the digestive system.		
	I can identify different teeth in humans and compare carnivore/herbivore teeth.		
	I can describe the functions of the heart, blood vessels and blood.		
Term 2 Earth and space	I can understand that the light from the sun can be dangerous.		
	I can say and understand what planet we live on.		
	I can describe the features of Earth.		
	I can identify the different planets and their order from the sun.		
	I can compare the sizes of the different planets.		
	I can describe the earth's rotation around the sun.		
	I can understand why the sun appears to move across the sky, day and night- in relation to the earth's rotation.		
Term 3 Electricity	I can identify common appliances that run on electricity.		
	I can compare things that use electricity to things that don't.		
	I can identify precautions to work with electricity safely.		
	I can construct a simple electrical circuit.		
	I can draw a pictorial representation of a circuit.		
	I can recognise some common conductors and insulators.		
	I can create a series circuit to help me answer questions.		
	I can associate the brightness of a lamp to the number of cells used.		

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Term 4 Light	I can recognise that I need light in order to see things.		
	I can understand that darkness is the absence of light.		
	I can notice that light is reflected off surfaces.		
	I can suggest ways to protect my eyes from the sun due to the danger.		
	I can find patterns in the ways that shadows change.		
	I can recognise that light travels in straight lines.		
	I can explain that we see things because light travels from light sources to our eyes from light sources to objects and then to our eyes.		
	I can explore/ make predictions on how light and shadows behave.		
Term 5/6 plants	I can independently describe how seeds and bulbs grow.		
	I can find out what plants need to grow successfully.		
	I can identify the different parts of flowering plants.		
	I can explore the roles that flowers play in in the life cycle of flowering plants, pollination, seed formation and seed dispersal.		
	I understand that plants make their own food.		
	I can group plants and animals and explain my reasons.		
	I can observe the life cycles of a variety of different plants.		
	I can understand that broad groups such as plants can be subdivided.		
Scientific skills	I can perform simple tests and experiments using varied equipment.		
	I can record data.		
	I can (with support) ask relevant questions about what I observed.		
	I can start to make accurate measurements.		
	I can begin to ask me own questions about the world around me.		
	I can (with support) use results to make predictions, look for changes and patterns, and identify differences.		
	I can begin to use scientific language/ vocabulary.		
	I can set up a comparative fair test.		
	I can analyse results and suggest improvements.		
	I can group sort and classify using my own criteria.		
	I can use scientific evidence to support answers.		
	I can recognise and control variables in experiments.		
	I can identify patterns in my natural environment.		
	I can systematically explore and analyse results.		
<u>Comments and achievements:</u>			