<u>Our School's Skills</u> - Working Collaboratively, Independence, Community Values, Reflectiveness, Stickability, Risk-Taking, Inquisitiveness, Communication



Year 3 Science Autumn 1

This term in Science, we are exploring Rocks

Our Key Learning Objectives		
I can name and observe characteristics of a variety of rocks. (I)		
I can group rocks based on their appearance and physical properties.		
I can investigate properties of rocks and relate to their use. $oldsymbol{I}$		
I can describe how different rocks react differently.		
I can describe how fossils are formed.		
I can describe how soil is formed.		
I can compare different properties of soil. (I)		

Extra questions

- 1. How are different rocks formed? Can you use sweets to model this?
- 2. How did Mary Anning discover fossils?
- 3. Why do we not see the soft parts of animals in fossils?

Texture- the feel, appearance, or consistency of a surface or sub- stance	Impermeable—not allowing fluid to pass through	Permeable— allowing liquids or gases to pass through it	Igneous- having solidified from lava or magma
Crystals - a solid substance having a natural geometri- cally regular form with symmetrical- ly arranged plane faces.	Fossil—the re- mains or impres- sion of a prehis- toric plant or ani- mal embedded in rock and pre- served in petri-	Sedimentary- that has formed from sediment deposited by wa- ter or air	Metamorphic— rock that has un- dergone transfor- mation by heat, pressure, or other natural agencies

Write down any questions you would like to explore further.

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- I can ask relevant questions and use different types of scientific enquiries to answer them.
- I can set up simple practical enquiries, comparative and fair tests.
- I can make systematic and careful observations.
- I can make accurate measurements using standard units using a range of equipment.
- I can gather and record data in a variety of ways to help in answering questions.
- I can record and present findings using drawings, labelled diagrams, keys, bar charts and tables.
- I can report on findings from enquiries, in simple scientific language, using oral and written explanations, displays or presentations of results and conclusions.
- I can identify differences, similarities or changes related to simple scientific ideas and processes.
- I can use results to draw simple conclusions.
- I can use straightforward scientific evidence to answer questions and support my findings.
- I can raise further questions.
- I can make predictions.

<u>Our School's Skills</u> - Working Collaboratively, Independence, Community Values, Reflectiveness, Stickability, Risk-Taking, Inquisitiveness, Communication



Year 3 Science Autumn 2

This term in Science, we are exploring Light



Write down any questions you would like to explore further.



- I can ask relevant questions and use different types of scientific enquiries to answer them.
- I can set up simple practical enquiries, comparative and fair tests.
- I can make systematic and careful observations.
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Our School's Skills - Working Collaboratively, Independence, Community Values, Reflectiveness, Stickability, Risk-Taking, Inquisitiveness, Communication



Year 3 Science Spring 1

This term in Science, we are exploring Forces and Magnets



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Our School's Skills - Working Collaboratively, Independence, Community Values, Reflectiveness, Stickability, Risk-Taking, Inquisitiveness, Communication



Year 3 Science Spring 2 and Summer 1

This term in Science, we are exploring Plants

Our Key Learning Objectives			Extr	<u>a questions</u>		
I can identify the parts and functions of a flowering plant.			1.	Why do plants need a healthy		
I understand how plants make their own food and absorb minerals.				stem and roots?	?	
I can describe how changes to light and fertiliser affect growth.						
I can explore the requirements o	2.	What similarities and differences are there with				
I can investigate the way that we	ater is transported within plants.			methods of see	d dispersal?	
I can describe the roles of bees	and insects in pollination. 🔼				·	
I can describe how pollen and seeds are dispersed.			3.	Are all roots the same?		
I can explore the life cycle of flo	owering plants.					
Transport- movement from one location to another.	Nutrients- a substance need- ed to survive and grow.	Pollen- a fine powdery substance	¥¢	Pollination - the transfer of pollen to the stigma		
Seed formation -the ovule is fertilised to form a seed.	Seed dispersal- the movement of seeds away from the parent plant.	Anchor- to hold - something down.	k	Reproduction - the production of offspring.		

Write down any questions you would like to explore further.

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Year 3 Science Summer 2

This term in Science, we are exploring Animals including Humans

Our Key Learning Objectives		
I can name the components of a healthy diet and explain how my diet is		
I can explain that humans and animals need the correct nutrition. (I)		
I can describe some key characteristics of bones.		
I can describe the key functions of the skeleton.		
I can group skeletons with and without an internal skeleton. (I)		
I can state that when one muscle contracts another relaxes.		

Extra questions

- 1. What are the roles of each food group?
- 2. What are the advantages of having an internal skeleton?
- 3. What is the same and different with different animal diets?

Carbohydrates - the main source of energy for the body.		Proteins - needed for building and repairing tissue in our body.	Fats- essential part of a bal- anced diet in small portions.	Fibre- in plant food and cannot be broken down	
Bones - hard tissue making up the skeleton.	e la	Muscle- a bundle of tissue to help move- ment.	Exoskeleton- an external skeleton.	Protect - to keep safe from harm.	

Write down any questions you would like to explore further.

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