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Level	Topic	Aims	Cross-curriculum links
<b>Unit 1 • The Human Body</b>			
1.1a	Where are your organs?	To Identify and locate some internal organs. To revise known parts of the body.	Literacy • Science Art & Design • Music
1.1b	What do your organs do?	To understand the functions of the main body organs.	Literacy • Science Art & Design • Music
1.2a	Muscles What can I do with my body?	To learn the location and main functions of the main muscles of the body. To revise known parts of the body.	Literacy • Science Art & Design
1.2b	What do you look like?	To revise facial features, colours and clothes. To describe eyes, hair, height, clothes, etc. To observe how people are the same/different.	Maths • Literacy Science • Art & Design
1.3a	How do you breathe?	To learn about the circulatory system. To revise organs of the body.	Science • Literacy Art & Design
1.3b	Measure your pulse	To understand the effects of exercise and rest on the pulse rate. To make predictions. To make a fair test. To record results.	Literacy • Science Maths • PE
<b>Unit 2 • Food and Health</b>			
2.1a	How do you keep healthy?	To recognise the importance of exercise and healthy diet to look after our body.	Literacy • Maths Art & Design
2.1b	Diet. What did Little Red Hen eat?	To understand the importance of a healthy diet. To understand the conditions needed for plants to grow. To revise main meals of the day and farm animals.	Literacy • Science
2.2a	What do you like to eat for lunch?	To understand and design a healthy diet. To understand the function of carbohydrates, proteins, fats and fibre.	Literacy • Science Maths • Art & Design
2.2b	What's in Tim's sandwich?	To identify the main meals of the day. To recognise the difference between and compare pupils' traditional meals and British food.	Literacy • Science Maths • Art & Design
2.3a	Illnesses and medicine	To be aware of health problems as a consequence of not looking after our bodies. To be aware of the importance of taking precautions to stop the spread of disease. To understand the use of medicines and drugs.	Literacy • Science PE • Art & Design
2.3b	A visit to the hospital	To learn about how accidents can happen, what to do when an accident has happened and how we can prevent accidents. To learn how to take responsibility for their own health and safety.	Literacy • Science Music • Drama
<b>Unit 3 • Living Things</b>			
3.1a	Animals, plants and their habitats Where do they live?	To establish links between different animals and plants and their habitats.	Science • PE Music • Art & Design
3.1b	What can you find around here?	To observe conditions in a local habitat and record the animals seen. To learn that animals are suited to their environments. To understand the difference between vertebrates and invertebrates.	Geography • Science Maths • Art & Design

Level	Topic	Aims	Cross-curriculum links
3.2a	The food chain	Order living things in simple food chains.	Literacy • Science Maths • Art & Design
3.2b	Micro-organisms	To identify micro-organisms as living things. To recognise their distinguishing features. To recognise their beneficial or harmful properties.	Literacy • Science Maths
3.3a	Animals in danger	To identify living things that are rare and the problems of survival.	Literacy • Science Maths • Geography
3.3b	Prehistoric animals: dinosaurs	To identify living things that are now extinct.	Literacy • History Maths • Art & Design
<b>Unit 4 • Life Cycles</b>			
4.1a	The life cycle of a bean plant	To recognise and understand the life cycle of a bean plant.	PE • Literacy • Maths ICT • Art & Design
4.1b	The life cycles of plants	To use knowledge of one plant's life cycle to predict, recognise and understand the life cycle of other plants.	Literacy • Maths ICT • Art & Design
4.2a	The life cycle of a frog	To recognise and understand the stages in the life cycle of a frog.	Literacy • Music Art & Craft
4.2b	The life cycle of butterflies and moths	To recognise and understand the stages in the life cycle of butterflies and moths.	Literacy • Maths Art & Design • CTD
4.3a	Life cycles in changing habitats	Identify ways in which animal life cycles are adapted to changing habitats. Explore information texts.	Science • Literacy Geography • ICT Environmental Science
4.3b	What happens when a habitat is changed?	To recognise the ways life cycles are affected by environmental changes. To understand the difference between fact and opinion.	Science • Literacy Geography • ICT Environmental Science
<b>Unit 5 • Materials and Properties: Changing Materials</b>			
5.1a	Can I change these shapes?	To understand that the shape of some objects can be changed because of the properties of their materials.	Literacy • Geography Maths • Art & Design
5.1b	Fair tests for change	To understand the meaning of a fair test. To be able to predict results of a fair test to change everyday materials by heating.	Literacy • Geography Art & Design • History ICT • Food Technology
5.2a	Will it dissolve in water?	To understand that some substances dissolve in water while others do not.	Literacy • History Geography • PSHE
5.2b	A fair test: which substance dissolves more quickly?	To be able to design and carry out a fair test. To find out if salt or sugar dissolves more quickly in cold water.	History • Literacy PSHE
5.3a	Separating mixtures by sieving and filtering	To apply knowledge of the characteristics of materials so as to be able to separate them from mixtures.	Geography Environmental Science
5.3b	Reversible and irreversible changes	To be able to use the knowledge of materials' different properties to identify reversible and irreversible changes.	Literacy • Science Food Technology

Level	Topic	Aims	Cross-curriculum links
<b>Unit 6 • Physical Processes</b>			
6.1a	Earth, sun and moon	To understand that the sun, the Earth and the moon are spherical. To understand that Earth orbits the sun and the moon orbits Earth.	Literacy • PE Maths • Art & Design
6.1b	Day and night What time is it?	To understand how day and night are related to the turning of the Earth on its axis. To raise awareness of time zones.	Literacy • PE Maths • Art & Design
6.2a	The seasons	To understand that the Earth tilts as it orbits the sun, giving us the seasons.	Literacy • PE Maths • Art & Design
6.2b	What do we wear in winter?	To understand how humans adapt to changes in climate and the weather.	Science • Maths Art & Design • Music
6.3a	The solar system	To identify the planets and main elements of the solar system.	Science • Maths Art & Design • PE
6.3b	The planets	To identify the planets and understand the differences between them.	Science • Maths Literacy
<b>Unit 7 • Forces and Motion</b>			
7.1a	Moving toys: pushes and pulls	To identify pushes and pulls as forces. To understand how toys can be moved by pushing or pulling.	Literacy • Drama History • Art & Design
7.1b	Pushing, pulling and slopes	To understand how slopes affect pushing and pulling.	Literacy • Drama History • Art & Design
7.2a	Friction and movement	To recognise the effect of friction on the movement of objects.	Literacy • History Geography • PE
7.2b	Testing friction	To investigate the effect of friction on the movement of objects.	Literacy • ICT PSHE
7.3a	Magnetic force	To understand that when magnets attract and repel, these are forces.	Geography • Maths Art & Design
7.3b	Working with magnets	To investigate magnetic forces.	Geography • Maths Art & Design
<b>Unit 8 • Light and Sound</b>			
8.1a	Light sources	To recognise natural and man-made light sources.	Literacy • Science Music • Art & Design
8.1b	Light and shadows	To understand that shadows appear when light is blocked.	Literacy • Science PSHE • Drama Art & Design
8.2a	Reflections	To investigate reflections in mirrors and shiny surfaces.	Literacy • Maths PSHE • Drama/PE Art & Design
8.2b	Everyday sounds and volume	To understand that sound is made when objects vibrate.	Literacy • Music Drama • PSHE

Level	Topic	Aims	Cross-curriculum links
8.3a	Light review	To revise and extend scientific vocabulary to describe the properties of light.	Literacy • Drama/PE Art & Design
8.3b	Sound: pitch	To investigate how pitch is related to size in a musical instrument.	Literacy • Maths Music • Art & Design
<b>Unit 9 • Environmental and Global Issues</b>			
9.1a	Save – don't waste!	To identify ways of conserving the Earth's resources.	Literacy • Science Geography • History Art & Design
9.1b	Recycling	To identify items that can be recycled.	Literacy • Science Geography • Maths Art & Design
9.2a	Personal communication links	To compare ways of communicating. To be able to select appropriate ways of communicating.	Literacy • Geography History • PSHE
9.2b	Global communications	To investigate different means of global communication and to identify facts and opinions in news reports.	Literacy • Geography Drama
9.3a	Carbon footprint	To identify ways in which individuals can make lifestyle changes which will reduce their impact on the Earth's resources.	Science • Geography ICT • Maths Art & Design
9.3b	Helping the Earth	To understand that everyone is part of a global community. To discuss how individual actions can affect the Earth.	Literacy • Science Geography • PSHE Citizenship
<b>Unit 10 • Weather and Water</b>			
10.1a	The water cycle	To be able to identify and sequence the key components of the water cycle.	Maths • Literacy Music
10.1b	Where does the water go? Rain and puddles	To understand the importance of water conservation. To understand the processes of evaporation and condensation.	Geography • Science Literacy • Art & Design
10.2a	What's the weather like?	To develop understanding of local and wider weather patterns. To understand that extreme weather is sometimes due to climate change.	Geography • Music Literacy • Art & Design
10.2b	How does the weather affect us?	To recognise different climatic zones. To understand how varying weather conditions affect or change the landscape and its inhabitants.	Geography • Maths Literacy • Art & Design
10.3a	The importance of water	To appreciate the importance of water in our daily lives. To recognise properties of water as a valuable element.	Maths • Music Art & Design • Science
10.3b	How do boats float?	To understand sinking and floating.	Maths • Literacy Art & Design • Science