MALCOLM SARGENT PRIMARY SCHOOL

Love to Learn

Year 2 - Science skills progression

Term	Subject Knowledge Objective (where applicable)	Use all or some of the following activities to cover this objective	Working scientifically skills developed in the activities
Healthy me	Find out about and describe the basic needs of animals, including humans, for survival (water, food and air). Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene	1. What makes me happy? 2. How do we like to keep fit?	Investigate and describe.
Healthy me	Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.	3. How does exercise help me? 4. Keeping fit challenge.	Gather and record data to help in answering questions.
Healthy me	Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses	5. Safe cyclists. 6. Design, make and test a helmet.	Perform simple tests. Observe closely, using simple equipment. Use their observations and ideas to suggest answers to questions.
Healthy me	Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.	1. Why do we need food? 2. Sorting food	Identify and classify.
Healthy me	Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.	3. Favourite snack. 4. Swapping snacks	Gather and record data to help in answering questions.
Healthy me	Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.	1. Spraying germs. 2. Snot trail.	Perform simple tests
Materials monster	Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.	1. Feeding time. 2. Sorting for Materials Monster.	Identify and classify.
Materials monster	Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.	3. Talk to Materials Monster.	Observe closely, using simple equipment. Identify and classify.
Materials monster	Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses	4. Taking Materials Monster outside. 5.Take the Materials Monster home.	Identify and classify. Observe closely, using simple equipment.
Materials monster	Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.	1. Silly Materials Monster Book.	Identify and compare.
Materials monster	Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	2. Squash, bend, twist, stretch	Perform a simple test.
Materials monster	Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.	3. Make your own Materials Monster.	Identify and compare.
Squash, bend, twist and stretch	Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	1. Flexible me	Investigate and describe.

Squash, bend, twist and stretch	Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	2. Squash me, bend me, twist me, stretch me. 3. Sort me	Identify and classify.
Squash, bend, twist and stretch	Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	4. At home	Identify and classify.
Squash, bend, twist and stretch	Find out how the shapes of solids objects made from some materials can be changed by squashing, bending, twisting and stretching.	5. Balloon shapes	Investigate and describe.
Squash, bend, twist and stretch	Find out how the shapes of solids objects made from some materials can be changed by squashing, bending, twisting and stretching.	6. Stretchy socks. 7. Stretch and squash	Investigate and describe.
Squash, bend, twist and stretch	Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	8. Flying mouse	Performing simple tests. Gathering and recording data to help in answering questions.
Our local envrironment	Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.	1. My habitat. 2. Find a microhabitat.	Identify and describe.
Our local envrironment	Identify and name a variety of plants and animals in their habitats, including micro-habitats.	3. Micro-habitat survey.	Identify and describe.
Our local envrironment	Identify and name a variety of plants and animals in their habitats, including microhabitats. Gather and record data to help in answering questions.	4. Animals and plants in different habitats.	identify, record and describe.
Our local envrironment	Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.	5. Make a micro-habitat.	Identify and describe.
Our local envrironment	Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name the different sources of food.	1. Food chain pairs. 2. Extending the food chain.	Identify and describe using a chart.
Our local envrironment	Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name the different sources of food.	3. Food chain mobile. 4. Food chain hunt	Identify and describe.
Young gardeners	Identify and name a variety of plants and animals in their habitats, including microhabitats	1. What is growing in our school grounds?	Identify and classify using simple equipment
Young gardeners	Observe and describe how seeds and bulbs grow into mature plants.	2. What shall we grow?	Ask simple questions and recognise that they can be answered in different ways
Young gardeners	Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy	3. What do seeds need for germination?	Perform simple tests Observe closely, using simple equipment Perform simple tests and use observations and ideas to suggest answers to questions
Young gardeners	Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. Compare the suitability of a variety of materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.	4. What do plants need to grow? 5. Newspaper plant pots	Observe closely, using simple equipment Perform simple tests. Use observations and ideas to suggest answers to questions
Young gardeners	Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.	6. Grow a salad. 7. Growing bulbs.	Observe closely, using simple equipment. Gathering and recording data to help in answering questions.
Young gardeners	Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.	8. Quirky container contest.	Observe closely, using simple equipment. Use their observations and ideas to suggest answers to questions gathering and recording data to help in answering questions.

Little Masterchefs	Find out about, and describe the basic needs of animals, including humans, for survival (water, food and air). Describe the importance for humans of exercise, eating the right amounts of different types of food and hygiene. Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.	1. What do we need to survive? 2. What is a masterchef? 3. Health and safety. 4. Make a and wear a chef's hat. 5. What are kitchen utensils made from?	Identify and classify.
Little Masterchefs	Describe the importance for humans of exercise, eating the right amounts of different types of food and hygiene.	6. Sort the shopping - keeping food fresh and safe. 7. Sort the shopping - eating and drinking well.	Identify and classify.
Little Masterchefs	Describe the importance for humans of exercise, eating the right amounts of different types of food and hygiene.	1. Design, prepare and cook a vegetable pizza-licious. 2. Design your own salad.	Observe closely, using simple equipment.
Little Masterchefs	Describe the importance for humans of exercise, eating the right amounts of different types of food and hygiene.	3. Carrot and courgett muffins. 4. Bread tasting.	Observe closely, using simple equipment. Identify and classify.
Little Masterchefs	Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.	5. How can we keep our muffins and bread fresh?	Perform simple tests. Using their observations and ideas to suggest answers to questions. Gather and record data to help answering questions
Little Masterchefs	Describe the importance for humans of exercise, eating the right amounts of different types of food and hygiene.	6. Fruit choice. 7. Design and make a sandwich.	Identify and describe.