



Science Year Group Assessment Overview

Autumn 1

Autumn 2

Spring 1

Spring 2

Summer 1

Summer 2

EYFS

Observations and questioning throughout.

Activities and opportunities for children to name parts of a plant (orally and written), sequence the stages of plant/human/animal life cycle, children to sort clothes / weather with seasons, draw and record their own observations made whilst outside in the natural world.

Willow
(Year 1 units)

Changing Seasons

Cut and stick four pictures of clothes needed for each season.
Write a sentence about choices.

Identifying Materials

Test materials to find which one will absorb water best. Complete the report writing frame to show results.

Comparing Materials

Test a selection of materials and then use one to make a badge that will help drivers see them in the dark.
Explain their choice.

Types of Animals

Complete a writing frame to report to aliens about the different animal groups on Earth.

Parts of Animals

Write the five senses and the body parts used. Complete the sentences about their favourite and least favourite smell.

Plants

Plant quiz 2- range of questions including labelling plant parts, ordering the growth process and identifying the best conditions for growth.

Maple Class
(Year 2 units)

Changing Shape

Complete the writing frame to explain their material choices for different fairground rides.

Uses of Materials

Investigate three different materials for sports balls and record the findings on the investigation sheet.

Living Things

Write a letter to explain how animals including humans have a life cycle. Add a labelled life cycle for an animal of their choice.

Habitats

From a given scenario, choose an animal and write a description of their habitat, with reasons for identified features.

Feeding and Exercise

Draw and label a healthy meal for a TV cookery show. Add two sentences to explain what we need to eat and do to keep healthy.

Growing Plants

Write a letter to explain how to make an investigation fair. Include a prediction.

Oak Class
(Year 3 units)

Movement and Feeding

Draw and label diagram of a human skeleton. Identify the bones that provide protection and support movement.

Magnets and Forces

In groups, discuss and conduct a test to explore which surface increases the speed marbles travel.
Record the results and write instructions for others to use.

Rocks and soils

Plan an investigation to show why water stays in a rock pool but not on the sand.
Write a paragraph for an information book about properties of rocks.

Light and shadows

Investigate the best materials to form a shadow. Write an email to explain the findings and include how shadows are formed.

What plants need

Explain what plants need to keep a plant healthy. Plan an investigation to find out the best way to revive a wilted plant, including a prediction.

Parts of plants

In groups, children should discuss, plan and conduct a test to explore which seed is best at dispersing in different ways. Write a short report on the findings.

<p>Rowan & Beech Class</p> <p>(Year 4 units)</p>	<p><u>Human Nutrition</u></p> <p>Complete the table about teeth. Name the different types of teeth, what they look like, what jobs they do and why it is important to look after them.</p>	<p><u>Grouping Living Things</u></p> <p>Use the pictures of Australian animals – group them and create an identification key using four pictures.</p>	<p><u>Dangers to Living Things</u></p> <p>Identify producer, consumer, predator, prey from picture cards. Complete the letter writing frame to explain how to form a food chain.</p>	<p><u>Sound</u></p> <p>With a glockenspiel, guitar and recorder to look at, complete the writing frame about how each instrument produces a sound and how the pitch is changed.</p>	<p><u>Electricity</u></p> <p>List reasons why a bulb won't light in a circuit. Draw a diagram of a complete circuit with a switch and write a set of instructions to help others.</p>	<p><u>Changes of State</u></p> <p>Investigate the melting and setting times for milk, white and dark chocolate. Complete the writing frame to share the results.</p>
<p>Year 5 units</p>	<p><u>Forces</u></p> <p>Carry out a fair test to investigate if a trapeze swing changes when items of different masses are swinging. Complete the report writing frame to explain the results</p>	<p><u>Separating Mixtures</u></p> <p>Complete the instructions sheet to clearly explain how to clean the polluted water from the scenario given. Include diagrams and predictions for each stage.</p>	<p><u>Types of Change</u></p> <p>In groups, discuss, plan and complete an investigation to identify a substance left at a crime scene. A crime lab report should be completed to record their findings.</p>	<p><u>Earth and Space</u></p> <p>Complete a video blog script to explain a reason for completing space exploration, the positive and negatives of doing so and how day and night happen on Earth.</p>	<p><u>Life Cycles</u></p> <p>Research the life cycle of a spider and then compare this to the life cycle of a mammal. Present your information as poster or information leaflet.</p>	<p><u>Materials</u></p> <p>Draw a simple classification key to show which material is best for a harness. Test the strength of different threads, display the results in a table and write a conclusion.</p>
<p>Sycamore</p> <p>(Year 6 units)</p>	<p><u>Light and Sight</u></p> <p>Write a paragraph to explain why the Winter Olympic ski team need to wear sunglasses, using a diagram to show how the sun behaves when it hits the snow.</p>	<p><u>Changing Circuits</u></p> <p>Use equipment to investigate how to make a buzzer louder and a light dimmer. Write a report to present the results. Word bank given.</p>	<p><u>Our Bodies</u></p> <p>Write a paragraph to explain what the heart does and how it works. Include a diagram and additional tips for keeping healthy.</p>	<p><u>Evolution and Inheritance</u></p> <p>Research the evolution of peppered moths and complete the writing frame to share the findings. Complete this activity again using an animal of their own interest.</p>	<p><u>Classifying Living Things</u></p> <p>Using a given set of picture cards, write a set of instructions for a classification game. Include a set of answers with explanations why they make a pair.</p>	<p><u>Review and celebration</u></p> <p>Create a poster and presentation about one particular area of science, of their own choice.</p>

This has been planned using Pearson's Science Bug scheme of work.