

PRIMARY SCIENCE

Syllabus for Primary Schools

YEAR 3

LEARNING OUTCOMES

for

YEAR 3

Sharing Our World

3.1	3.2	3.3	3.4
OTHER ANIMALS AND US	PLANT LIFE	HABITATS	WEATHER WATCH
3.1.1 Know that we have senses which allow us to find out about the world.	3.2.1 Recognize how plants change when they grow.	3.3.1 Observe that living things are suited to the habitat where they live.	3.4.1 Be able to describe the seasonal changes that occur in the weather and in living things.

Energy

3.5	3.6	3.7	1.8
FORCES	ELECTRICITY	SOUNDS	LIGHT
3.5.1 Know that the bigger the push or pull the further something moves or the more that shape of something is changed.	3.6.1 Know that a circuit is needed to make a bulb light.	3.7.1 Know that we can produce sound in different ways	3.8.1 Know that some materials block light and produce shadows.
	3.6.2 Know that the bulb will not light if there is a break in the circuit.		3.8.2 Know that shiny surfaces reflect light and produce images.

Materials Around Us

3.9 CHANGE	3.10 USES AND PROPERTIES OF MATERIALS	3.11 OUR PLANET AND ITS NEIGHBOURS	
3.9.1 Know that heating and cooling can change things.	3.10.1 Explore different materials according to their properties.	3.11.1 Know that the sun gives us heat and light.	
		3.11.2 Know that the moon is a rock without air and water.	

PROGRAMME

for

YEAR 3

3.1 Sharing Our World : Other Animals and Us

Learning Outcomes	Notes
3.1.1 Know that we have senses which allow us to find out about the world.	<ul style="list-style-type: none">• carry out simple investigations which allow them to explore how their senses help them make sense of the world around them eg. finding out whether we can tell from where a sound is coming by using hearing only.

3.2 Sharing Our World : Plant Life

Learning Outcomes	Notes
3.2.1 Recognize how plants change when they grow.	<ul style="list-style-type: none">• know that plants are living things and like other living things plants grow.• record the growth of simple plants sown in the classroom and to describe the changes that occur.

Sharing Our World : Habitats

Learning Outcomes	Notes
3.3.1 Observe that living things are suited to the habitat where they live.	<ul style="list-style-type: none">• know that plants and animals have special features that help them survive in a habitat• look at the different flora and fauna found in different environments eg. compare the animal and plant life found in the desert with that found in the jungle, or under the sea,

3.4 Sharing Our World : Weather Watch

Learning Outcomes	Notes
3.4.1 Be able to describe the seasonal changes that occur in the weather and in living things.	<ul style="list-style-type: none">• list some changes in living things that occur due to seasonal changes eg. trees that shed leaves in autumn, flowers are more abundant in spring... describe changes brought about by changes in weather in different places eg. What does a street look like on a sunny day/rainy day/windy day?• observe the seaside or the countryside in winter/summer and note the differences.

3.5 Energy : Forces

Learning Outcomes	Notes
3.5.1 Know that the bigger the push or pull the further something moves or the more that shape of something is changed.	<ul style="list-style-type: none">• understand the relationship between the push of an object and the distance an object moves before it stops.• understand the effect of a greater push or pull acting against the direction of motion, that is the moving object will stop over a shorter distance.

3.6 Energy : Electricity

Learning Outcomes	Notes
3.6.1 Know that a circuit is needed to make a bulb light. 3.6.2 Know that the bulb will not light if there is a break in the circuit.	<ul style="list-style-type: none">• set up a circuit to light a bulb.• understand that a complete circuit is needed to light a bulb.• understand that if the continuous circuit is broken, electricity will not flow and the bulb will not light.

3.7 Energy : Sound

Learning Outcomes	Notes
3.7.1 Know that we can produce sound in different ways	<ul style="list-style-type: none">• understand that sound can be produced by different musical instruments: wind- blowing, string-plucking or by hitting-vibrations.

3.8 Energy : Light

Learning Outcomes	Notes
3.8.1 Know that some materials block light and produce shadows. 3.8.2 Know that shiny surfaces reflect light and produce images.	<ul style="list-style-type: none">• Know that light does not pass through opaque materials.• Know that shadows are formed when objects block light.• Be aware that shadows vary with the position of the sun and can be used to tell time.

3.9 Materials Around Us : Change

Learning Outcomes	Notes
3.9.1 Know that heating and cooling can change things.	<ul style="list-style-type: none">• know that things can change according to temperature eg. chocolate melts when heated, jelly solidifies in the fridge.

3.10 Materials Around Us : Uses and Properties of Materials

Learning Outcomes	Notes
3.10.1 Explore different materials according to their properties.	<ul style="list-style-type: none">• classify materials according to certain properties eg. whether they are magnetic/non magnetic; waterproof or not...• carry out simple investigations to explore certain characteristics of a particular material eg. which material absorbs water best? How durable is this material? What happens to this material when it is stretched or squashed?

3.11 Materials Around Us : Our Planet and Its Neighbours

Learning Outcomes	Notes
3.11.1 Know that the sun gives us heat and light. 3.11.2 Know that the moon is a rock without air and water.	<ul style="list-style-type: none">• know that the sun is a source of light and heat.• understand the dangers of looking directly at the sun and of too much exposure to its rays.• trace the apparent motion of the sun in the sky during the day.• know that there is no life on the moon as there is no air or water.• know that astronauts have landed on the moon but they need special equipment to survive.