PRIMARY SCHOOL- SCIENCE JOURNEY

Autumn

Parts of our body (including teeth) Senses **Seasonal Changes** Floating/sinking Magnets Taking care of our planet

Spring

Different categories of animals Nocturnal animals Seasonal Changes – growth and change over time. Growing seeds – what do plants need? Investigating plants in school grounds/local area

Summer

Lifecycle of a frog (link to pond dipping) Habitats – minibeasts, continuing to look after plants. Light - exploring sources,

Shadow play

Autumn 1:

Everyday Materials – Objects and their materials **Identifying materials** Physical properties Grouping materials, Comparing suitability, Manipulating materials

Autumn 2:

Animals -Classification Living, dead, never alive Food chains Offspring

Spring 1:

Humans -The human body Basic needs Exercise, food, hygiene Offspring Evolution and inheritance

Spring 2:

Plants -

Identifying and naming plants Structure of plants Seeds and bulbs into Plant requirements

EYFS

Summer 1

Animals including humans – To understand animals need the right kind of conditions to survive

Forces and magnets – To understand how objects move based on contact between objects and how magnets repel and attract

Spring 2

Electricity — To identify common appliances that run on electricity and construct a simple circuit

Rocks and Fossils - To compare and group different kinds of rocks and recognise that soils come from rocks and organic matter

Spring 1

Evolution and inheritance – To understand that plants and animals resemble their parents and change over

Materials — To compare and group different kinds of rocks and recognise that soils come from rocks and organic matter

Autumn 2

States of matter - To compare and group materials together based on whether they are solids, liquids or gases

Earth and Space - To understand the Earth's movement

Autumn 1

Key Stage 1

Living Things — To investigate living thing through grouping, classifying and exploring their environments.

Sound - To investigate how sounds are made and associating them with vibrations

Summer 1:

5 Senses -

Movement, forces, magnets Light & Seeing Sources of light Sound & Hearing **Electrical circuits**

Summer 2:

Habitats -

Identify and describe habitats Animal adaptations Micro habitats

Summer 2

Light — To understand that light is required to see things and darkness is an absence of light

Plants — To identify and describe the function of different plants

Upper Key Stage 2

Autumn 2:

Forces and magnets -

Poles, attracting and repelling and how unsupported objects

Spring 1:

Earth and Space –

Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky

Light - Explain how light sources travel to the eye

Spring 2:

Electricity - To understand electrical circuits through recognise symbols in a diagram and associating voltage with the brightness of a lamp or loudness of a buzzer

Summer 1:

Lower Key Stage 2

Animals and Humans -Circulatory system and the importance of a healthy body

Evolution and Inheritance -How animals and plants are adapted to suit their

Summer 2:

Living Things - Describe the life process of reproduction in some plants and animals

Plants - Describe how plants and animals may evolve through adaptation to their environment

Autumn 1:

Properties of Material – Compare and group together everyday materials based on evidence from comparative and fair tests

Science Journey