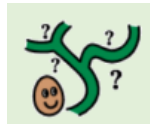




## SCIENCE Long Term Plan 2024 - 2026

### EYFS - Cedar pathway (one year cycle)



Assessment classes - Early steps

Ladybird Dragonfly	Autumn		Spring		Summer	
	Colours	Traditional Tales	Weathers and Seasons	In the Garden	At the Zoo	People Who Help Us

### Maple pathway



Engagement Steps (Squirrel + Progression Steps as appropriate)

*Engagement focus*



Individual SCERTS						
YEAR 1						
	Autumn		Spring		Summer	
Grasshopper	Investigating Senses	Noticing Connections	Experience - The 4 Seasons	Explore - What's in the soil?	Experience - Weather	Exploring Materials
Rose	What can I hear?	Is it dark in the woods?	Exploration	Planting Seeds	What are houses built from?	What lives in the park?
Squirrel	My Body	Lifecycles - Humans	Rocks - Buildings and Bricks	Hot and Cold	Astronauts!	Fossils and Shells
YEAR 2						
	Autumn		Spring		Summer	
Grasshopper	Experience - colours outdoors	Explore -Buildings (towers)	Investigate - Pushing and pulling	Search and identify - What's in space?	Explore - Animals at the zoo	Investigate - Hot and cold (goldilocks and the three bears)
Rose	Explore - What's in my class?	What do pets need?	Lights	What grows in the soil?	Fossils	Who lives at the farm?
Squirrel	No Squirrel class 2026-2027					
Elm pathway						



*Communication / Emotional regulation focus (SCERTS)*

## YEAR 1

	Autumn		Spring		Summer	
Butterfly	Melting and freezing	The Seasons	Where do animals live?	Planting seeds	Fossils	I can be a scientist!
Daisy	Melting, freezing and gases	Floating and sinking	Magnets	What materials are toys made of?	Plants by the sea	Life cycles
Dormouse	Light and Dark	States of Matter - is it a solid?	Animals and Humans - my body	Life cycles and human development	Different materials	Construction and forces

## YEAR 2

	Autumn		Spring		Summer	
Butterfly	I can experiment	The planets	Bending, squashing and stretching	Growing flowers	Dinosaurs	Animals in oceans



<b>Daisy</b>	Me and my body	My 5 senses	I can be a scientist!	Pushing, pulling and falling	Earth and space	What lives in soil?
<b>Dormouse</b>	My life  The science of me (human body, how to stay healthy and fit/body hygiene)	My life  Healthy living (food or fuel - link to digestive system if appropriate)	Our Community  Changes around me (seasons, weather, plants)	Our Community  Taking care of the environment (recycling, materials, awareness of how to look after the environment, animals)	Employment  I can be a scientist (looking at Doctors, engineers, chemists etc)	Employment  Safety in the place of work (food hygiene, electrical safety, reflective materials)

## Willow pathway



*Creative curriculum (Topic)*

## YEAR 1

	Autumn		Spring		Summer	
<b>Caterpillar</b>	The weather	Colours	Hot and Cold	Planting Vegetables	Animals and their Babies	Materials





<b>Bumblebee</b>	Pets and Gardens	Arctic Animals and habitats	Materials and their Purposes	Magnets	Planet Earth	What are castles made of? (rocks and bricks)
<b>Bluebell</b>	Healthy Bodies	Solids and Liquids. How does it melt?	What materials do we build with and why?	Floating and sinking	Stormy weather and rainbows	Animals of India
<b>Poppy</b>	Senses - Sound	Changing materials	Astronauts	What materials did the Tudors use?	Local Habitats	Exercise and our bodies
<b>Deer</b>	Stars and Space	Growing Plants	Light and Dark-	Properties of Everyday Materials	Life Cycles-	Uses of Everyday Materials
<b>Otter</b>	Stars and Space	Growing Plants	Light and Dark-	Properties of Everyday Materials	Life Cycles-	Uses of Everyday Materials
<b>Hedgehog</b>	Stars and Space	Growing Plants	Light and Dark-	Properties of Everyday Materials	Life Cycles-	Uses of Everyday Materials
<b>Robin</b>	Developing Independent Living Skills: Being Healthy (2)		Developing Community Participation Skills: Caring for the Environment (3)		Developing Independent Living Skills: Personal Care (2)	



Owl	Developing Independent Living Skills: Being Healthy (2)		Developing Community Participation Skills: Caring for the Environment (3)		Developing Independent Living Skills: Personal Care (2)	
YEAR 2						
	Autumn		Spring		Summer	
Caterpillar Bumblebee	The science of magic	Wonderful weather	Habitats	How does it grow?	Does it melt?	Space
Primrose Buttercup Bluebell	Life cycles	Animals and habitats	Materials	Volcanoes	Investigating and experimenting	How does it light up?
Poppy	Inside me!	Wonderful weather	How does it move?	Planting and growing	Rocks and soils	Water
Hedgehog Deer Otter Fox	Habitats	Sounds of the seasons	Rocks and volcanoes	Plants that grow in the rainforest	Exploring materials	Electricity



Owl Robin Sparrow	My future - daily living skills - using cleaning products (independent living)		Employment - using local facilities for health (employment)		Community - financial responsibility (independent living)	
<div><div>Oak pathway</div><div><div></div><div></div></div><div>Subject specific curriculum</div></div>						
YEAR 1						
	Autumn		Spring		Summer	
Sunflower	How do we grow?	Electric lights	Tombs (including rocks)	Comparing plants	Testing materials	Why does it float?
Daffodil	My senses	Solids, Liquids and Gases	The Seasons Weather	Volcanoes	Plants	Magnets
Rabbit	Parts of Plants	Seasonal Changes	Everyday Materials	Animals including Humans	Rocks and Fossils	Light and Colour



Badger	Parts of plants	Seasonal changes	Everyday materials	Animals including humans	Rocks and fossils	Light and colour
Fox	Parts of plants	Seasonal changes	Everyday materials	Animals including Humans	Rocks and Fossils	Parts of plants
Woodpecker	Forces and Motion		Chemical Change		Space Physics	
Hawk	Forces and Motion		Chemical Change		Space Physics	
YEAR 2						
	Autumn		Spring		Summer	
Sunflower	My body is amazing!		Seasonal changes		Applying forces	
	Melting, freezing and gases		Life cycles		What grows in the soil?	
Daffodil	I can be a scientist		Comparing habitats		Animals and humans	
	Light and dark		What can we see in the sky?		Magic and mixing	
Badger	Forces and magnets		Food chains		Uses of everyday materials	





<b>Rabbit</b>	<b>Habitats</b>	<b>States of matter</b>	<b>Electricity</b>
<b>Hawk Woodpecker</b>	<b>Asdan Short Course Science:</b> Module 1 Human Machine (choose 1 or 2 B challenges to suit the ability and nature of your students)	<b>Asdan Short Course Science:</b> Module 4 Biological Challenges (choose 1 or 2 B challenges to suit the ability and nature of your students)	<b>Asdan Short Course Science</b> Module 6 Performance in Sport (choose 1 or 2 B challenges to suit the ability and nature of your students)