**Science Curriculum**

**EYFS**

* Explore collections of materials with similar and or different properties.
* Use all senses in hands on exploration
* Explore the natural world around them
* Describe what they see, hear, feel when outside
* Begin to understand the need to respect and care for the natural environment and living things
* Plant seeds and care for growing plants.
* Understand the key features of the life cycle of a plant and an animal
* *Explore the natural world around them, making observations and drawing pictures of animals and plants (ELG)*
* *Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter (ELG)*

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| **Autumn 1**  | **Autumn 2**  | **Spring 1**  | **Spring 2** | **Summer 1**  | **Summer 2**  |
| **Unit Title: Ourselves** Year 1 Autumn 1 Ourselves Topic | **Unit Title: Autumn**4 seasons clipart - Google Search | Apple season, Tree images, Seasons | **Unit Title: Winter**See the source image | **Unit Title: Growth**Flower Clipart Vector Images (over 28,000) | **Unit Title: Life Cycles**See the source image | **Unit Title: Change**See the source image |
| **Prior experience:*** Use all of the senses in hands on exploration.
 | **Prior experience:*** Use all of the senses in hands on exploration.
* Notice things that are the same and different.
 | **Prior experience:*** Use all senses in hands on exploration of natural materials.
* Talk about what they see, hear and feel.
 | **Prior experience:*** Explore the natural world around them.
* Make drawings of things they have noticed in the environment.
 | **Prior experience:*** Explore the natural world around them.
* Make observations of things they have noticed.
* Plant seeds and care for growing plants.
 | **Prior experience:*** Comment on changes they have noticed in the environment.
* Notice seasonal changes.
* Comment on changes in the life cycle of a plant or animal.
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| **Prior Vocabulary:*** Family
* Baby
 | **Prior Vocabulary:*** touch, see, hear, smell, taste.
* Weather
 | **Prior Vocabulary:*** Autumn
* Weather
* Cold
* Leaves
* Conker
* Dark
 | **Prior Vocabulary:*** touch, see, hear, smell, taste.
 | **Prior Vocabulary:*** Baby
* Grow
 | **Prior Vocabulary:*** Basic body parts – hair, nose, ear, eye, neck, chest, wrist, hand, knee, foot, head, eyebrow, mouth, chin, shoulder, elbow, arm, stomach, leg, ankle.
* touch, see, hear, smell, taste.
* Baby, child, adult
* Grow, change
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| **Skills:*** Can I name some body parts?
* Can I compare myself to somebody else (I have blue eyes, he has brown eyes)?
* Can I say who is in my family?
* Can I use my senses to explore?
 | **Skills:*** Can I comment on what I notice in the environment?
* Can I say what has changed e.g. the tree has no leaves now.
* Can I use my senses to explore?
 | **Skills:*** Can I explore ice and comment on what I notice as it changes?
* Can I describe the weather?
 | **Skills:*** Can I plant seeds and water them?
* Can I describe what I see as the plants grow?
* Can I say that living things grow and need to be cared for?
 | **Skills:*** Can I describe what I see and comment on changes?
* Can I recognise the changes to a caterpillar as it grows?
* Can I make observational drawings of what I see?
 | **Skills:*** Can I comment on how I have changed?
* Can I comment on what I see, hear, taste, smell and touch?
* Can I make observational drawings of what I see? (summer – trees, plants etc).
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| **Knowledge:*** To know that I have body parts that can do different things e.g. legs help me to walk.
* To know that we can hear, see, touch, taste and smell.
 | **Knowledge:*** To know that leaves fall off trees in the autumn.
* To know that the weather gets colder and the nights become darker.
 | **Knowledge:*** To know that weather in winter can be very cold.
* To know that water can freeze and ice can melt.
 | **Knowledge:*** To know that plants grow and change.
* To know that seeds can be planted in soil.
* To know that living things need to be cared for.
 | **Knowledge:*** To know that all living things grow and change.
* To know that an adult of a species does not always look the same as the baby.
 | **Knowledge:*** To know that people change and develop in different ways.
* To know that plants bloom in summer.
* To know that the weather is summer can be hot.
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| **Key moments in big book:*** Self portrait
* Exploring themselves and their bodies
 | **Key moments in big book:*** Photographs of autumn walks
* Tree/leaf rubbing
 | **Key moments in big book:*** Photographs of winter exploration
* Photos of melting/freezing experiment
 | **Key moments in big book:*** Photographs of planting
* Drawings of plant growth
 | **Key moments in big book:*** Photographs of caterpillar eggs and butterfly
* Drawings of observations
 | **Key moments in big book:*** Child’s voice in big book reflecting on how they have changed since the start of the year.
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| **Focus Piece of Writing/Text:**Self-portrait and name writingMy family… | **Focus Piece of Writing/Text:**Autumn drawing and mark makingI can see… | **Focus Piece of Writing/Text:**Labelling winter pictures and polar animals. | **Focus Piece of Writing/Text:**Plant growth observation notes.Labelling plant parts. | **Focus Piece of Writing/Text:**Labelling life cycle.Notes on drawings of observations – ‘caterpillar egg’. | **Focus Piece of Writing/Text:**Self-portrait and observations - I can now… |
| **Key Vocabulary:*** Basic body parts – hair, nose, ear, eye, neck, chest, wrist, hand, knee, foot, head, eyebrow, mouth, chin, shoulder, elbow, arm, stomach, leg, ankle.
* touch, see, hear, smell, taste.
 | **Key Vocabulary:*** Autumn
* Weather
* Cold
* Leaves
* Conker
* Dark
 | **Key Vocabulary:*** Ice
* Snow
* Freeze
* Melt
* Winter
* Polar
 | **Key Vocabulary:*** Plant
* Grow
* Seed
* Water
* Sun
* Stem, leaf, flower
* Spring
 | **Key Vocabulary:*** Grow
* Change
* Baby
* Adult
* Develop
 | **Key Vocabulary:*** Same
* Different
* Change
* Develop
* Summer
* Hot
* Melt
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| **Curriculum links:** PSHE – ourselves, families. | **Curriculum links:** CL – language development and listening walks | **Curriculum links:** Geography – cold countries | **Curriculum links:**Maths – plant growth | **Curriculum links:** Lit – linked text | **Curriculum links:** CL/PSE – ourselves |