



EYFS Science progression document



(Working Scientifically) Characteristics of learning/Creative and thinking critically:

Early Years (Nursery and Reception):

Having their own ideas:

- I can think of ideas
- I can find ways to solve problems
- I can find new ways to do things

Making links:

- I can make links and notice patterns in my experience
- I can make predictions
- I can test my ideas
- I can develop ideas of grouping, sequences, cause and effect

Choosing ways to do things:

- I can plan, make decisions about how to approach a task, solve a problem and reach a goal
- I can check how well my activities are going
- I can change strategy as needed
- I can review how well the approach worked

Working Scientifically Vocabulary:

Ideas, patterns, predictions, grouping, sequencing, cause and effect, decisions, solve a problem, reach a goal, teamwork, review (evaluate)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	<p><u>Seasonal Change: (Autumn)</u> Talk about what they see, using a wide vocabulary.</p> <p>Explore how things work,</p>	<p><u>Seasonal Change: (Winter)</u> Talk about what they see, using a wide vocabulary.</p> <p>Explore how things work,</p>	<p><u>Materials:</u> Explore collections of materials with similar and/or different properties.</p>	<p><u>Seasonal Change: (Spring)</u> Talk about what they see, using a wide vocabulary.</p> <p><u>Plants:</u></p>	<p><u>Living things and their habitats.</u> Begin to understand the need for respect and care for the natural environment and all living things.</p>	<p><u>Seasonal Change: (Summer)</u> Talk about what they see, using a wide vocabulary.</p> <p><u>Forces:</u> Explore and talk about different</p>

	Use all their senses in hands-on exploration of natural materials.	Use all their senses in hands-on exploration of natural materials.		Plant seeds and care for growing plants.	Plants: Understand the key features of the life cycle of a plant and animal.	forces they can feel e.g. magnets.
	Seasons Autumn Signs of Autumn Changes Weather Sunshine Rain Windy Cloudy Senses (see, hear, touch, smell, taste)	Seasons Winter Signs of Winter Changes Cold Weather Frost Snow Rain Windy Cloudy Senses (see, hear, touch, smell, taste)	Materials Similar Different Hard Soft Rough Smooth Shiny Dull	Seasons Spring Signs of Spring Changes New life Warmer Weather changes Sunshine Rain Windy Senses (see, hear, touch, smell, taste) Seed Plant Grow Care	Respect Care Environment Living things	Seasons Summer Signs of Summer Changes Hotter Weather changes Sunshine Sun protection Senses (see, hear, touch, smell, taste) Forces (magnets) Push Pull Move Fast Slow

<p>Reception</p> <p>Understanding of the world – The natural world.</p>	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	<p><u>Seasonal change: (Autumn)</u> Explore the natural world around them.</p> <p>Understand the effect of the natural world around them.</p> <p>Describe what they see, hear and feel whilst outside.</p>	<p><u>Seasonal change: (Winter)</u> Explore the natural world around them.</p> <p>Understand the effect of the natural world around them.</p> <p>Describe what they see, hear and feel whilst outside.</p> <p><u>Plants and animals:</u> ELG - Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read.</p>	<p><u>Natural world:</u> Understand some important processes and changes in the natural world around them, including changing states of matter.</p>	<p><u>Seasonal change: (Spring)</u> Explore the natural world around them.</p> <p>Understand the effect of the natural world around them.</p> <p>Describe what they see, hear and feel whilst outside.</p> <p><u>Plants and animals</u> ELG – Explore the natural world around them, making observations and drawing pictures of animals and plants.</p>	<p><u>Plants and animals:</u> ELG - Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read.</p>	<p><u>Seasonal change: (Summer)</u> Explore the natural world around them.</p> <p>Understand the effect of the natural world around them.</p> <p>Describe what they see, hear and feel whilst outside.</p>

	Seasons Autumn Signs of Autumn Changes Weather Temperature Sunshine Rain Windy Cloudy Warmer/cooler Environment Senses (see, hear, touch, smell, taste)	Seasons Winter Signs of Winter Changes Weather Temperature Frost Sleet Snow Rain Windy Cloudy Senses (see, hear, touch, smell, taste) Similar Different Environment	Environment Changes Similar Different	Seasons Spring Signs of Spring Changes New life Temperature Weather changes Sunshine Rain Windy Senses (see, hear, touch, smell, taste) Seed Plant Grow Care Water Soil Sunlight	Environment Similar Different Compare Contrast	Seasons Summer Signs of Summer Changes Temperature Weather changes Sunshine Senses (see, hear, touch, smell, taste)
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