

Laying the Foundations for Science



EYFS

Observe and explore natural materials, talking about what they can see and feel.

Begins to understand scientific concepts forces, floating/sinking

Takes about and describes the natural world beyond their immediate environment (plants and animals).

Uses materials for a variety of purposes (building a den / junk modelling) and can discuss why.

Observes and notices changes with natural phenomenon over time eg planting seeds, seasonal change.

Makes a prediction and carries out a fair test

Can discuss and explain why and how things happen e.g changing matter

Makes a prediction and carries out a fair test and gives and evaluation

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EYFS

Role of the Adult

Provision

Encourage problem solving and ways of finding a solution by asking open ended questions such as

How are these the same? How are they different? Why did the ball fall down the pipe that way?

Model and extend language while interacting with children.

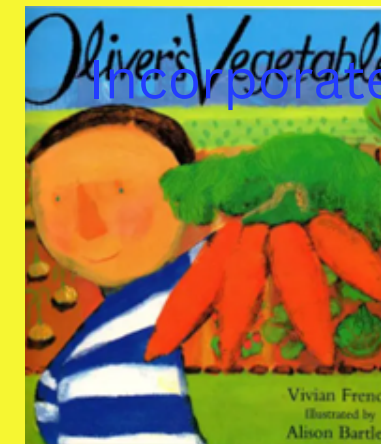
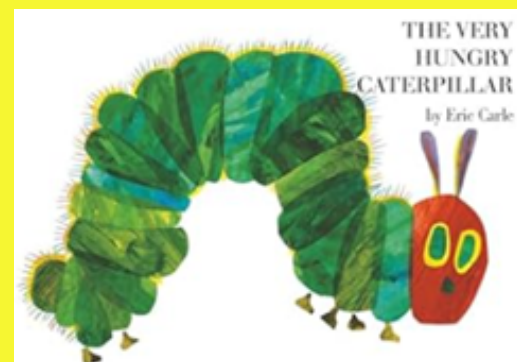
Draw children's attention to forces, for example how the water pushes up when you try to push a plastic boat under it or how magnets attract and repel.

Ask questions that help children to explore their sense of self, notice detail, and encourage curiosity in the world around them for example;

What can you hear outside? What do you think it is? Can you tell me about...? What does it feel like?

Model how to observe and interact with natural processes such as ice melting, a sound causing a vibration, an object casting a shadow or a boat floating in water.

- Magnets
- Torches
- Daily opportunities to play outside and observe natural phenomenon
- Water tray
- Children encouraged to care for plants and animals
- Places for animals to grow outside (bug hotel)
- Children outside and engaging with all weathers
- Opportunities to grow and observe plants.
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incorporate the seasons and weather into children's play.

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Vocabulary

Cow

Float

Sink

Seasons

Sheep

Summer

Prediction

Autumn

Material

Pig

Spring

Winter

Hot

Evergreen

Cold

Light

Dark

Diciduous