

Science Term Three First Half How does your garden grow?

End of year expectations for The World- working scientifically

Children know about similarities and differences in relation to places, objects, materials and living things.

They talk about the features of their own immediate environment and how environments might vary from one another. They make observations of animals and plants and explain why some things occur and talk about changes.

Vocabulary

Life cycles, plant, seeds, compost, grow water, sunlight, roots, vegetable names. Farm animal's names, Fruit names, habitats farm names such as tractor, cages, milk bottle etc.

Suggested equipment and resources to support the world working scientifically.

Seeds, milk for making into butter, bread. fruits for making into fruit kebabs and smoothies.

Tubs for planting seeds.

Key learning linked to Working Scientifically

Explore/observe: look closely at/notice

Describe: talk about what they notice/observe: talk about changes they notice and changes over time

Record: draw pictures, take photographs, make models or scrapbooks.

Questioning: shows an interest in/ is curious about; ask questions about what notice observe or changes that occur

Explain: talk about why things happen/occur: talk about how things work.

Research: talk to people(visits/visitors/family) think of questions to ask how things work: use first hand experiences/use secondary sources (egg books, photographs, internet)

Equipment and measures: use sense / use simple equipment to make observations, (eg magnifiers, pipettes, egg timers, digital microscopes, etc.)

How does your garden grow?

Plant seeds outside

Label a plant, paint pictures of flowers.

Look at lifecycle of ladybirds and frogs

Watch www.bbc.lifecycles.co.uk

Visit Farmer Ted's and complete work related from it / make butter and eat it.

Talk about healthy and unhealthy foods. Make smoothies and fruit kebabs.

Links to people

Beatrix Potter

Vincent Van Gogh

Questioning and provocations

Describe

How does it look?

How does: look, taste, feel sound, smell

Can you show me?

Can you tell me/

Can you tell me which?

Can you describe?

What's happening?

What's happening here?

What happens when you?

Can you tell me what?

How does that work?

What did you notice when?

Compare and Contrast

What is the same about?

What is different Which ones?

Why?

Why it happened?

Why did?

Why do you think?

Why do you think?

Can you tell me why?

Tell me why?

I wonder

What could we do next?

I wonder if?

What will happen if we?

How can you show?

How can we found out if?

Can you find another that will?

Can you think of another way?

How could we make it better?

How could we improve?