

EARLY YEARS SCIENCE PROVISION MAP

Play, Observe & Ask

Sensory Play

Learn: how each surface feels different

You need: outdoor area, bare feet

Take your shoes and socks off and explore different surfaces outside (e.g. moss, grass, paving)

Play, observe & ask

- What can you feel under your feet?
- Does every surface feel the same?
- Can you describe how they feel?
- Which surfaces feel similar/different?

Construction

Learn: some animals need barns or sheds for shelter.

You need: construction toys (e.g. Lego*), cardboard boxes, tubes, sheets of card, wooden blocks

Play, observe & ask:

- Which animals will live in your shelter?
- How many animals can you fit in there?
- How can we test if your shelter is windproof or waterproof?

Malleable Play

Learn: to name and describe farm animals; to observe closely

You need: modelling clay (e.g. Play-Doh*, Plasticine*), boards, simple tools to help shape the clay

Encourage the children to look carefully at pictures/film clips of animals, or have the toy plastic versions close to hand for reference.

Play observe & ask:

- What are you making today?
- How many legs/ears/eyes does your animal have?
- How is it similar to the other farm animals?
- How is it different to the other farm animals? (fur/feathers, etc.)

Water Play

Learn: how to move water from one place to another using pipes

You need: water tray, drain pipes, hose pipes, tubes, funnels

Play, observe & ask:

- How can we get the farm animals some water?
- What can we use to move the water?
- What do you notice about flowing water?
- What can we store water in?

SPRING / FARM



Outdoors

Learn: to notice and describe signs of spring

You need: paper, pencils, cameras, seasons scrap books, weather chart/symbols, paint colour charts, magnifying glasses

Outside, encourage children to draw & talk about what they see (could revisit same site during different seasons and record in a seasons scrapbook). Ask the children to do a daily weather check (could keep a record in the classroom). Use paint colour charts to see how many different colours they can match (could repeat each season and compare your results).

Play, observe & ask:

- What can you see today?
- Has anything changed since last time we visited this place?
- What is the weather like today? Is it always like this?
- What colours can you find today? Are the colours you can see the same/different to last time? Why?
- What animals/bugs can you see/find?

Small World

Learn: how animals are cared for on the farm

You need: small world farm animals, natural materials (e.g. stones, bark, leaves, fallen blossoms, grass, sticks, moss, sand, compost)

Play, observe & ask:

- Which young animal goes with which adult animal?
- Where do they live on the farm?
- What do they eat? Who feeds the animals?
- What happens if the animal gets ill?

Role Play

Learn: vets help us to take care of our animals.

You need: vet area – rubber gloves, wellies, overalls, pretend medical kit, toy animals

Play, observe & ask:

- What does a vet do?
- What does a vet need for their job?
- Where does a vet work?

Key Science Vocabulary

spring, season, blossom, leaves, growth, warm(er)

weather - warm, cold, sunny, cloudy, windy, rain, snow, hail

farm animals - lamb, sheep, ram, ewe, calf, cows, bull, chicks, chickens, hen, cockerel, ducklings, ducks, goslings, geese
birth, babies, life, alive, grow, death

Further Science

Explore the natural world around the local environment. Make observations and draw pictures of animals and plants.