





Science in EYFS at Mabe

Children at Mabe begin their journey as scientists in our EYFS classroom, exploring the world around them and being encouraged to express what they observe in words, drawings and through the questions that they ask. In line with the Educational Programme set out in the EYFS framework, this aspect of Understanding the World involves "guiding children to make sense of their physical world".

Whether that be through hands-on exploration of the natural world or different textures and materials, or exploring ideas about forces through simple investigations, children are given opportunities to share their ideas and ask questions to pursue the awe and wonder of finding out about our world.

At Mabe, our EYFS planning provides a framework for ensuring that the foundations of inquiry and investigation are embedded through practical experiences and activities. Alongside this, we always allow scope for children to develop their common interests building on these enthusiasms to ignite curiosity as we develop projects together to 'find out more'. Central to all of this is our key focus on building vocabulary and communication skills which will enable the children to develop their scientific knowledge and skills through our KS1 and KS2 Science curriculum.

Our self-access science resources include:

Investigation station with magnifying glasses, materials of interest based on topic (rocks, shells, pine cones etc) Mini clip boards for recording and mark making. Magnetic shapes. Cars/ ramps Small world animals Collage art materials Class weather station Torches Musical instruments Gardening equipment Bug hunting equipment



Science foundations through our topic themes:

ANIMALS INC HUMANS

- Planting and Growing topicExploring our garden and school environment
- Harvest celebrations Farm topic
- Spring investigations
- All about me topic
- Animal magic topic Small world animal play
- Small world animal play
 Role play families
- Role play families Health and self care activities (washing, teeth
- cleaning, healthy diets)
- EVERYDAY MATERIALS
- Investigation station
 Different materials such as rocks, shells, pine cones, art based collage materials.

ROCKS

STATES OF MATTER

- Investigation station
- Different materials such as rocks, shells, pine
- cones, art based collage materials.Fossil investigation as part of dinosaur topic
- Sand castles
- Rock and natural material sculptures
- Cooking activities
- Ice investigation

FORCES & MAGNETS

- Magnetic construction shapes
- Loose parts for building/rolling/balancing

SEASONAL CHANGES

- Daily weather recording
- Spring investigationsAutumn Investigations
- Automn investigations
 Looking at different types of holidays (hot/snow)

SOUND

- Pre-phonics sound discrimination games
- Musical instruments
- Experimenting with non traditional instruments out side (banging saucepans, pipes etc)

LIVING THINGS & HABITATS

- Mini-beasts topic
- Exploring our garden and school environment
- Animal magic topic- where do different animals live?

EVOLUTION & INHERITANCE

- Family role play
- All about me topic
- Lifecycle of butterfly/frogs investigation

ELECTRICITY/LIGHT



- Space topic
- Cause and effect on/off toys
- Beebots













LIVING THINGS & HABITATS







SUMMER

the nutrients

they need

from what

they eat

vertebrates and which and what Explain the role of the skeleton and muscles job they do are invertebrates

muscles are

Compare animals that are vertebrates and invertebrates

Know that animals eat different foods



a balanced

diet is

needed to

stay healthy

which foods

different

animals eat

and why

human and

animal

skeletons



Identify the

role of the

skeleton

STATES OF MATTER

ANIMALS INC HUMANS

ELECTRICITY

SOUND

LIVING THINGS & HABITATS





ANIMALS INC HUMANS

EARTH & SPACE





ANIMALS INC HUMANS

EVOLUTION & INHERITANCE

LIGHT





