

## Science at Bovington Academy

### Our vision for science:

“Nothing in life is to be *feared*, it is only to be **UNDERSTOOD**. Now is the time to understand **more**, so that we may fear *less*.” - Marie Curie

At Bovington Academy, we want our children to develop an understanding of the uses and implications of science, how it has changed and shaped our lives and how vital it is to the world's future prosperity. We believe that Science should enable children to explore and discover the world around them. Our curriculum, ensures that themes and knowledge are revisited and built upon allowing children to confidently ask and answer scientific questions about the world they live in.

### What does science look like at Bovington?

Children learn through practical activities which develop their investigative skills and encourage a desire to explore the world around them.

In KS1 children learn about living things, animals, plants and materials

In KS2 children revisit these areas in more depth and study a variety of other themes in biology, chemistry and physics.

We encourage children to ask questions, discover, collaborate, predict, observe, investigate and conclude.

Children use scientific language appropriately to describe and explain their understanding and what they observe.

### What learning opportunities are available?

Each year we try to have a variety of visitors in linked to science to hold workshops with the children. We utilise people in our local community and within the science community.

Children in all year groups work scientifically enabling them to ask and answer questions about the world. These can be through practical investigations, exploring our local areas or looking for patterns

Each year a STEM club is run for children as an extracurricular opportunity.

### Why do we learn science?

Science enables children to explore the world around them, understand how it works and pose questions.

They can build on their innate curiosity, enabling them to understand and care for the world around them. It also allows for an understanding of the relevance of science in our increasingly technological and scientific world now and in the future.

Early Years

Me, Myself & I - identifying their family

Celebrations - why do the leaves change colour?

Outdoor learning - seasonal changes

On our way! How will we get there?  
Materials

Down at the farm - Exploring the natural world

Year 1

Everyday materials

Seasonal changes: Autumn

Seasonal changes: Winter

Animals including humans

Year 2

Seasonal changes: Spring & Summer

Plants

Animals including humans

Material and their properties

Living things and their habitats

Plants



Year 3

Animals incl humans

Light

Rocks and soils

Forces & Magnets

Plants

Year 4

States of matter

Animals incl humans

Electricity

Sound

Living things and their habitats

Animals incl humans (food chains)

Year 5

Forces & Magnets

Animals inclu humans

States of matter

Living things and their habitats

Earth and Space

Year 6

Animals inclu humans

Light

Electricity

Living things and their habitats

Evolution and Inheritance



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