



Early Years
Foundation Stage
Building foundations
for future scientific
learning



At Bude Primary Academy infants , in the Early Years Foundation Stage (EYFS), children are introduced to the wonders of science through meaningful, hands-on experiences that encourage exploration and curiosity.

Through activities such as investigating nature, experimenting with water and sand, and observing the world around them, children engage in practical learning that lays the groundwork for their future understanding of scientific concepts. These interactive experiences help them develop important skills like observation, questioning, and problem-solving, providing a strong foundation for their science education as they progress through school.

We have carefully looked at the scientific concepts they will encounter throughout their time in school to ensure children meet these concepts in an age-appropriate, real-life context. By exploring these ideas through their own play, children at Bude Primary Academy infants develop a love of discovery that nurtures inquisitive minds and supports early scientific thinking.

EYFS experiences and termly check points .

Knowledge and understanding of the world - The Natural world

Aut 1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2
Topic title					
Who am I? 	What is a map ? 	What was it like in the past? 	What's growing in the garden? 	What's in the egg? 	What is on the other side of the ocean? 
Hooks- Each topic start with an exciting event as a stimulus for the rest of the half term's learning					
Understanding the world -termly checkpoints					
The Natural word <ul style="list-style-type: none"> Identify and name the main visible parts of the human body -head hair face eyes ears nose mouth arms hands legs feet fingers toes Explores the natural environment around them Talks about changes that happen in the natural environment during Autumn and Winter Observes and discusses natural processes such as sound causing a vibration, light travelling through transparent materials Can answer questions about what they have observed Makes observations about how things are different at night compared to during the day (flowers close up, animals, light etc Knows there are 12 months in a year and the names and order of these. Know about ways in which humans keep healthy – healthy food exercise, sleep , handwashing teeth brushing . Know how to wash their hands and brush their teeth effectively AU 1 	The Natural word <ul style="list-style-type: none"> Talks about changes that happen in the natural environment during Winter and Spring Can talk about how and why ice is formed Observes and discusses natural processes such as melting ice, what happens to a range of food substances when mixed with water Manipulate and investigate the properties of a range of raw and manmade materials through construction activities, arts activities, and simple investigations Explore the properties of different types of wood through sawing, sanding, drilling, hammering, drilling Can answer questions about what they have observed Observe and experience the wide variety of plants in our school environments Knows most plants start growing from a seed or bulb by planting a range of flowers and vegetables Knows plants need water, warmth, and light to grow and survive Know the terms seed bulb root stem leaf flower petal branch bark pollen trunk Knows there 7 days in a week and name these Knows that living things do not stay the same over time (life cycles, seasons, organic things decay over time). - Uses terms 'chrysalis' and 'pupa' when observing the life cycle of a Butterfly Identify, name observe and record a range of common minibeasts found in the school environment and discuss where they are commonly found 	The Natural word <ul style="list-style-type: none"> Talks about changes that happen in the natural environment during Spring and Summer Knows names for baby animals and can match these to their adult. Looks at animal key stages of development from birth to adult Can talk about different habitats and why they are good for certain living things (e.g. Hedgehogs, birds, foxes, minibeasts) Can talk about underwater worlds and how these are habitats for different creatures Knows that the length of day and night changes depending on the season Observes and discusses natural processes such as object casting a shadow a magnet attracting an object and a boat floating on water. Understand that our beaches change depending on the tide <p style="text-align: center;">Early Learning Goal</p> <ul style="list-style-type: none"> Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter 			