

BUDE PRIMARY ACADEMY INFANT SCHOOL

Science Curriculum Coverage & Progression of Skills (EYFS & Key Stage 1)

CURRICULUM MAPPING NOTICE: Bude Primary Academy Infant School is currently mapping our new Nursery curriculum onto our progression of skills and knowledge for each area of the curriculum. This document outlines the Science curriculum progression across EYFS Reception and our 2-Year Mixed-Age Key Stage 1 Rolling Programme (Year A and Year B).

1. Key Stage 1 Science 2-Year Rolling Programme Overview

Half Term	Year B (Current Uploaded Scheme)	Year A (Alternate Scheme)
Autumn 1	**Animals, Including Humans: My Body & Senses** • Naming external body parts. • Associating 5 senses with organs. • Hearing distance & taste fair tests.	**Seasonal Changes: Autumn & Winter** • Observing Autumn/Winter changes. • Weather tracking, rainfall & daylight. • Impact on local wildlife.
Autumn 2	**Everyday Materials: Properties & Insulation** • Object vs material distinction. • Physical properties (waterproof, flexible). • Thermal insulation fair test (Santa's sleigh).	**Everyday Materials: Suitability & Shapes** • Uses of wood, metal, plastic, glass. • Suitability for specific purposes. • Changing shape: squashing, bending, stretching.
Spring 1	**Animal Classification & British Wildlife** • 5 vertebrate groups (fish, birds, mammals, etc.). • Animal structures, pets vs wild. • Diets: carnivore, herbivore, omnivore.	**Animals, Including Humans: Survival & Health** • Basic needs for survival (water, food, air). • Human nutrition, diet, and exercise. • Hygiene & staying healthy.
Spring 2	**Animals, Including Humans: Life Cycles** • Animal offspring growing into adults. • Health Triad: diet, exercise, hygiene. • Daily weather & Spring tracking.	**Plants: Seeds, Germination & Fair Tests** • Germination from seeds to mature plants. • Growth requirements: light, water, warmth. • Variable control in fair testing.
Summer 1	**Plants: Bulbs, Seeds & Wild Flora** • Bulb growth vs seed germination. • Seed dissection (coat, embryo, store). • Identifying common wild & garden plants.	**Living Things & Their Habitats** • Classifying living, dead, and never alive. • Microhabitats (under logs, rockpools). • Food chains: producers & consumers.
Summer 2	**Plants, Trees & Summer Seasons** • Deciduous & evergreen tree identification. • Leaf classification keys & bark rubbings. • Summer solstice & sun safety.	**Plants & Environmental Survival** • Plant structure: roots, stem, trunk, leaves. • Local tree & plant fieldwork. • Coastal vs woodland plant adaptations.

2. Vertical Science Progression: EYFS Reception to Key Stage 1 Stretch

Strand	EYFS Reception (Foundations)	Year 1 Expectation	Year 2 Cognitive Stretch
Working Scientifically	• Asks questions about environment. • Makes simple sensory observations. • Uses everyday vocabulary.	• Asks simple scientific questions. • Observes closely using hand lenses. • Performs simple comparative tests. • Gathers & records simple data.	• Uses observations to answer questions. • Controls variables in fair tests. • Records data in tables & charts. • Explains *why* using 'because'.

Strand	EYFS Reception (Foundations)	Year 1 Expectation	Year 2 Cognitive Stretch
Animals, Including Humans	• Identifies main body parts. • Explores 5 senses. • Recognises basic animals & pets.	• Names body parts & links to 5 senses. • Identifies & names 5 vertebrate groups. • Classifies carnivores, herbivores, omnivores.	• Explains animal survival needs. • Describes animal offspring & life cycles. • Explains Health Triad (diet, exercise, hygiene).
Everyday Materials	• Explores water, ice, wood, sand. • Describes textures (hard, soft, wet). • Investigates floating & sinking.	• Distinguishes object from material. • Identifies wood, plastic, glass, metal, water. • Describes simple physical properties.	• Identifies & compares material suitability. • Tests thermal insulation properties. • Explains how solid shapes can be changed.
Plants & Living Things	• Plants seeds & observes growth. • Identifies leaves, flowers, minibeasts. • Cares for living things.	• Names common wild & garden plants. • Identifies basic structure (roots, stem, leaf). • Identifies deciduous & evergreen trees.	• Explains germination & seed growth needs. • Classifies living, dead, never alive. • Describes microhabitats & simple food chains.
Seasonal Changes	• Observes weather & season changes. • Describes daily weather (rain, sun). • Notices day & night differences.	• Observes changes across 4 seasons. • Tracks weather patterns & rainfall. • Observes day length variation.	• Measures weather changes quantitatively. • Links daylight length to solstice. • Explains seasonal impact on habitats.