



St Barnabas

Church of England Primary Academy

A member of **CDARI**

Science Curriculum Overview

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception- Understanding of the World	Our school environment, weather, where do I live? Our senses, our body, our family	Our local area, Christmas in other countries, life in India, Autumn, Weather, Health and safety, growing, Guy Fawkes, Remembrance day	Chinese new year, weather, maps, forces, machines, sea creatures, Winter	Weather, places in our local environment, food, materials, different occupations, King Charles	Spring, migration, maps, insects, observing and drawing pictures of animals and plants	Summer, maps, difference between our local area, the beach, space, old objects, Grandparents
Year 1	Observe plants throughout the year Observe seasonal changes (LIGHT & ASTRONOMY) throughout the year (including sunlight, weather and link with plants)					
Year 1	Animals: Basic Structure Seasonal Changes		Everyday Materials Identifying and classifying materials.	Everyday Materials. Experiments and investigations linked to material properties.	Plants This is the block. However, this should be ongoing as part of seasonal change.	Humans Emphasis on measuring body parts using non-standard units. . Present data in pictograms and bar charts.

Year 2	Living things and their habitat (Focus on familiar and unfamiliar habitats and simple food chains).	Humans- Growth & Staying Healthy (Focus on the basic needs of survival, exercise, nutrition and recognising reproduction).	Uses of Everyday Materials (Focus on their suitable and unsuitable purposes).		Plants (growing plants).	Animal survival and growth (focus on an animal's basic needs and reproduction).
Year 3	Light- Shadows and Reflective Surfaces	Animals and Humans- Health & Nutrition	Animals and Humans- Skeletons and Movement	Material properties- Rocks and Soils	Forces and Magnets	Plants- Functions of plant parts and growth
Year 4	Living things and their habitats	Animals including humans	Living Things and Their Habitats (Conservation)	Electricity	Sound	States of Matter
Year 5	Material Changes-(reversible and irreversible changes).	Materials Properties-testing materials.	Light and Astronomy- Earth and Space	Forces- Friction and air resistance and mechanisms.	Living Things and Their Habitat- Observing Life Cycles	Human Life Cycles.

Year 6	Electricity	Animals including humans (blood and transportation)	Animals including humans (heart and health)	Evolution and Inheritance (incl. adaptations, survival of the fittest, reproduction and passing on traits)	Living Things and Their Habitat- (classification including subdivisions for vertebrates and invertebrates)	Light and Astronomy- How light travels.