



Ilam C of E (VA) Primary School

“Learning, achieving and thriving as a school family through God’s love.”

“For I know the plans I have for you,” declares the Lord, “plans to prosper you and not to harm you, plans to give you hope and a future.” (Jeremiah 29 v11)

Science Overview – Year 1 and 2

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Everyday Materials		Plants	Animals Including Humans		Living Things and Their Habitats
Y1 Objectives Distinguish between an object and the material from which it is made Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock Describe the simple physical properties of a variety of everyday materials Compare and group together a variety of everyday materials on the basis of their simple physical properties		Y1 Objectives Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees Identify and describe the basic structure of a variety of common flowering plants, including trees	Y1 Objectives Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals Identify and name a variety of common animals that are carnivores, herbivores and omnivores Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets) Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense		NO Y1 OBJECTIVES Y2 Objectives Explore and compare the differences between things that are living, dead, and things that have never been alive Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic

Y2 Objectives	Y2 Objectives	Y2 Objectives	
Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses	Observe and describe how seeds and bulbs grow into mature plants	Notice that animals, including humans, have offspring which grow into adults	needs of different kinds of animals and plants, and how they depend on each other
Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching	Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy	Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)	Identify and name a variety of plants and animals in their habitats, including microhabitats
		Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene	Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food

Seasonal Changes

- observe changes across the 4 seasons
- observe and describe weather associated with the seasons and how day length varies

Spirituality:

- Openness that not all answers can come from science
- Opportunities to ask pupils how living things can contribute to/ rely on the environment
- Offer chances to wonder at the world and inventions – Better Pace
- Speculate how science is used for good/ evil – not all uses are good (link to God and His Word)
- Advances and their social impact/ effect on the world, including in other countries
- How Science keeps people safe