



Early Stage One

SCIENCE

STe-3LW-ST explores the characteristics, needs and uses of living things

- recognise that living things have basic needs including air, food and water
- participate in guided investigations to identify living things and the external features of plants

STe-6ES-S identifies how daily and seasonal changes in the environment affect humans and other living things

- explore how plants respond to regular changes in their environment
- observe, ask questions about and describe changes in plants as they grow

HSIE

GEe-1 - identifies places and develops an understanding of the importance of places to people

- discussion of why and how people care for place

Stage One

SCIENCE

ST1-4LW-S describes observable features of living things and their environments

- describe the external features of a variety of living things
- identify and group plants and animals using their external features, eg fruits and vegetables
- explore how living things grow, change and have offspring similar to themselves
- identify that living things live in different places that suit their needs
- record the changes in growth of a common plant

ST1-5LW-S identifies how plants and animals are used for food and fibre products

- design and produce an environment to cater for the needs of a living thing
- identify some plants and animals that are grown and used for food production
- investigate ways people use scientific and technological knowledge and skills to sustainably grow plants

ST1-10ES recognises observable changes occurring in the sky and on the land and identifies Earth's resources

- identify how seasonal changes in our daily lives affect living things
- observe, ask questions about and describe changes in plant life
- identify and explore the use of a variety of Earth's resources including water and soil

HSIE

GE1-1 describes features of places and the connections people have with places

GE1-2 identifies ways in which people interact with and care for places

- consideration of how a place can be cared for through plant life
- discussion of how weather can affect places and activities e.g. leisure, farming
- examination of why various activities in an area are located where they are e.g. garden

Stage Two

SCIENCE

ST2-4LW-S compares features and characteristics of living and non-living things

- collect data and identify patterns to group living things according to their external features, and distinguish them from non-living things
- identify that living things have life cycles
- conduct an investigation into the life cycle of a pumpkin plant
- describe how living things depend on each other and the environment to survive eg birds and bees

ST2-5LW-T describes how agricultural processes are used to grow plants and raise animals for food, clothing and shelter

- investigate and compare advancing technologies used in food and fibre production in Australian agriculture and those used in traditional agriculture
- design, plan and produce a product, system or environment to support the growth of a plant and/or animal

HSIE

GE2-1 examines features and characteristics of places and environments

- discussion of how weather contributes to climate and plant growth

GE2-2 describes the ways people, places and environments interact

- investigate the importance of natural vegetation and natural resources to the environment, animals and people
- explanation of the importance of vegetation to animals and the functioning of the environment
- discussion of the importance of vegetation to people

GE2-3 examines differing perceptions about the management of places and environments

- investigate sustainable practices that protect environments and plant life

Stage Three

KLA: SCIENCE

ST3-4LW-S examines how the environment affects the growth, survival and adaptation of living things

- plan and conduct a fair test to show the conditions needed for a particular plant or animal to grow and survive in its environment
- describe how changing physical conditions in the environment affect the growth and survival of plants
- describe adaptations as existing structures or behaviours that enable plants to survive in their environment

HSIE

GE3-2 explains interactions and connections between people, places and environments

GE3-2 compares and contrasts influences on the management of places and environments

- explain the effects of human changes on plant life, evaluating the positive and negative aspects of these changes
- identification of ways people influence places and contribute to sustainability