





## 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