

# Food and fibre: Science

## Science

The Australian Curriculum addresses learning about food and fibre predominantly in Design and Technologies and F-6/7HASS/Geography, however there are opportunities to make connections with aspects of Science, in particular biological sciences and science as a human endeavour.

The Australian Curriculum: Science has three interrelated strands: science understanding, science as a human endeavour and science inquiry skills. Together, the three strands of the Science curriculum provide students with understanding, knowledge and skills through which they can develop a scientific view of the world. Students are challenged to explore science, its concepts, nature and uses through clearly described inquiry processes.

## Food and fibre dimensions

### Science - Years 5 and 6

#### Year 5

##### Science Understanding

###### *Biological sciences*

Content descriptions with elaborations:

Living things have structural features and adaptations that help them to survive in their environment (ACSSU043)

- exploring general adaptations for particular environments such as adaptations that aid water conservation in deserts

Scientific knowledge is used to solve problems and inform personal and community decisions (ACSHE083)

- considering how best to ensure growth of plants

#### Year 6

##### Science Understanding

###### *Biological sciences*

Content description with elaborations:

The growth and survival of living things are affected by the physical conditions of their environment (ACSSU094)

- investigating how changing the physical conditions for plants impacts on their growth and survival such as salt water, use of fertilizers and soil types

###### *Earth and space sciences*

Content description with elaborations:

Sudden geological changes and extreme weather events can affect Earth's surface (ACSSU096)

- considering the effect of drought on living and non-living aspects of the environment

##### Science as a human endeavour

###### *Use and influence of science*

Content description with elaborations:

Scientific knowledge is used to solve problems and inform personal and community decisions (ACSHE100)

- recognising that science can inform choices about where people live and how they manage

