# The Australian Curriculum Science

Science as a human endeavour Science inquiry Skills





# Year 2

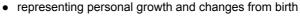
# **Year 2 Content Descriptions**

# Science Understanding

## **Biological sciences**

# **Elaborations**

Living things grow, change and have offspring similar to themselves (ACSSU030)



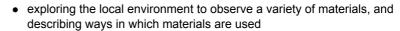
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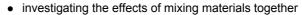
- · recognising that living things have predictable characteristics at different stages of development
- · exploring different characteristics of life stages in animals such as egg, caterpillar and butterfly
- · observing that all animals have offspring, usually with two parents

### Chemical sciences

## **Elaborations**

Different materials can be combined, including by mixing, for a particular purpose (ACSSU031)





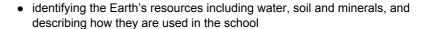
- suggesting why different parts of everyday objects such as toys and clothes are made from different materials
- · identifying materials such as paper that can be changed and remade or recycled into new products



# Earth and space sciences

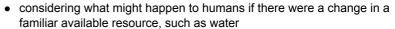
# **Elaborations**

Earth's resources, including water, are used in a variety of ways (ACSSU032)





• describing how a resource such as water is transferred from its source to its point of use



• identifying actions at school such as turning off dripping taps, that can conserve resources

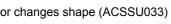
# **Physical sciences**

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# **Elaborations**

A push or a pull affects how an object moves or changes shape (ACSSU033)

· exploring ways that objects move on land, through water and in the air



• exploring how different strengths of pushes and pulls affect the movement of objects



· considering the effects of objects being pulled towards the Earth

## Science as a Human Endeavour

Nature and development of science

**Elaborations** 

Science involves asking questions about, and describing changes in, objects and events (ACSHE034)



- · describing everyday events and experiences and changes in our environment using knowledge of science
- suggesting how everyday items work, using knowledge of forces or
- · identifying and describing sources of water

### Use and influence of science

# People use science in their daily lives, including when caring for their environment and living things (ACSHE035)











### **Elaborations**

- monitoring information about the environment and Earth's resources, such as rainfall, water levels and temperature
- finding out about how Aboriginal and Torres Strait Islander people use science to meet their needs, including food supply
- exploring how different cultures have made inks, pigments and paints by mixing materials
- identifying the ways humans manage and protect resources, such as reducing waste and caring for water supplies
- · recognising that many living things rely on resources that may be threatened, and that science understanding can contribute to the preservation of such resources

# Science Inquiry Skills

# Questioning and predicting

Respond to and pose questions, and make predictions about familiar objects and events (ACSIS037)





# **Elaborations**

- using the senses to explore the local environment to pose interesting questions, make inferences and predictions
- thinking about 'What will happen if...?' type questions about everyday objects and events

# Planning and conducting

# Participate in different types of guided investigations to explore and answer questions, such as manipulating materials, testing ideas, and accessing information sources (ACSIS038)

# **Elaborations**

- · manipulating objects and materials and making observations of the results
- researching with the use of simple information sources
- sorting objects and events based on easily identified characteristics







Use informal measurements in the collection and recording of observations, with the assistance of digital technologies as appropriate (ACSIS039)

• using units that are familiar to students from home and school, such as cups (cooking), hand spans (length) and walking paces (distance) to make and compare observations

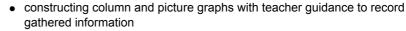


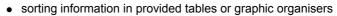




**Elaborations** 

Use a range of methods to sort information, including drawings and provided tables (ACSIS040)









Through discussion, compare observations with predictions (ACSIS214)

• comparing and discussing, with guidance, whether observations were expected







# **Evaluating**

Compare observations with those of others (ACSIS041)





# **Elaborations**

· discussing observations with other students to see similarities and differences in results

# Communicating

# Represent and communicate observations

and ideas in a variety of ways such as oral and written language, drawing and role play (ACSIS042)





# **Elaborations**

- presenting ideas to other students, both one-to-one and in small groups
- discussing with others what was discovered from an investigation