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# Year 7 SyllabusTest

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**Year Level Description**

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### Year Levels

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### Strands

- ☒ Select All
- ☒ Science Inquiry Skills
- ☒ Science as a Human Endeavour
- ☒ Science Understanding

### General Capabilities

- ☒ Select All
- ☒ Literacy
- ☒ Numeracy
- ☒ Information and Communication Technology (ICT) capability

# Year 7 Syllab

## Year Level Descri

The science inquiry across a two-year b expectations outlining science understand strands are address are interrelated and detail in which the programs are decis

## Incorporating the

Over Years 7 to 10, structures; how sys matter and interact and relative amoun

In Year 7, students their understanding information. They u water cycle to repre ecosystems and ex They consider the i an object's motion. resources and cons They investigate re predict and explain

- ✔ Critical and creative thinking
  - ✔ Personal and social capability
  - ✔ Ethical understanding
  - ✔ Intercultural understanding
- 

variables to analyse  
explain these relationships  
role of science in development

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## Science Understanding

### BIOLOGICAL SCIENCES

Classification helps  
organise the diverse  
group of organisms  
([ACSSU111](#))

Interactions between  
organisms can be  
described in terms  
of food chains and food  
webs; human activities  
can affect these  
interactions ([ACSSU](#)

### CHEMICAL SCIENCES

Mixtures, including  
solutions, contain a  
combination of pure  
substances that can  
be separated using a range

of techniques

[\(ACSSU113\)](#)

## EARTH AND SPACE SCIENCE

Predictable phenomena on Earth, including seasons and eclipses, are caused by the relative positions of the sun, Earth and the moon.

[\(ACSSU115\)](#)

 Numeracy

Some of Earth's resources are renewable but others are non-renewable.

Water is an important resource that cycles through the environment.

## PHYSICAL SCIENCES

Change to an object's motion is caused by unbalanced forces, including Earth's gravity.

gravitational attraction  
acting on the object  
([ACSSU117](#))

 Literacy

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## Year 7 Achievement

### **Science Understanding**

At Standard, students describe mixtures. They represent Earth's gravity, on the sun and moon affect resources depends. Students classify and predict the effect between organisms.

### **Science as a Human Endeavour**

Students describe a real-world problem.

### **Science Inquiry Skills**

Students identify questions

experimental methods  
select equipment to  
considered safety.  
summarise data from  
their data when sug  
their ideas, method  
representations.

The science inquiry skills and science as a human endeavour strands in the science curriculum for schools and teachers refer to the expectations outlined in the achievement standards for the relevant year level to ensure that the three strands of the curriculum are interrelated and their content descriptions are organised into teaching and learning sequences.

## **Incorporating the key ideas of science**

Over Years 7 to 10, students develop their understanding of matter and energy. The key ideas of science are shaped by flows of energy and matter and interactions between them. The key ideas of science are shaped by flows of energy and matter and interactions between them. The key ideas of science are shaped by flows of energy and matter and interactions between them.

In Year 7, students explore the diversity of life on Earth and the processes that shape it. They use and develop their understanding of the key ideas of science to represent and analyse the flow of energy and matter through ecosystems. They consider the interaction between matter and energy within these systems. They consider the interaction between matter and energy within these systems. They consider the interaction between matter and energy within these systems. They explore the notion of renewable and non-renewable resources and the timescale considered. They investigate relationships in the Earth system and the events. Students make accurate measurements and control variables. They explore and explain these relationships through appropriate scientific processes.



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