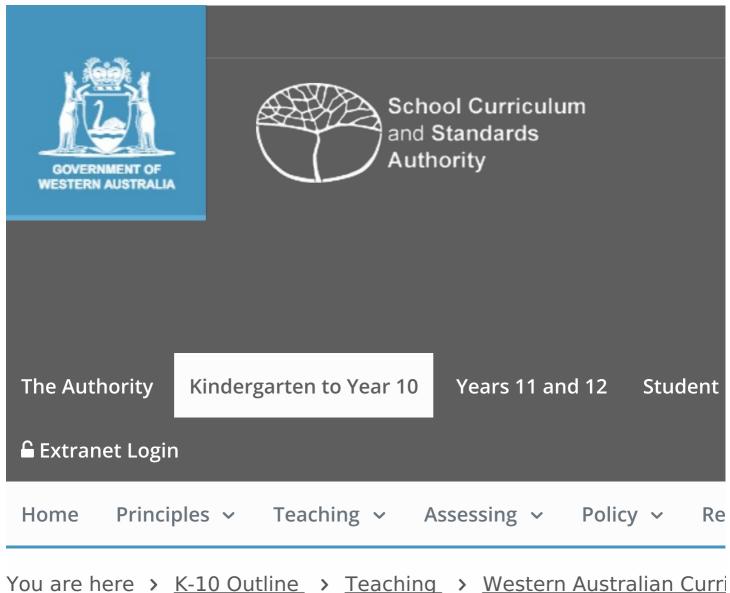
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# Year 9 SyllabusTest

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**Year Level Description** 

## Filters

#### Show/Hide Curriculum

	Year level descriptors
¢	<b>Content Descriptions</b>
¢	Achievements Standards
	lcons

#### Year Levels

🕞 Select All

#### 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 9 Syllak

#### Year Level Descri

The science inquiry across a two-year b expectations outlin 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 9, students explore ways in wh environment and th ecosystems. They a electrons and neutr They learn that man changes play an im concept of the cons view of energy tran forces to global sys

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

## Science Understanding

#### **BIOLOGICAL SCIENCES**

Multi-cellular organ rely on coordinated interdependent inte systems to respond changes to their environment <u>(ACSS</u>

Ecosystems consist communities of interdependent organisms and abic components of the environment; matte energy flow througl these systems (ACSSU176)

#### CHEMICAL SCIENCES

All <u>matter</u> is made atoms that are composed of protor neutrons and electr natural radioactivity

arises from the dec nuclei in atoms <u>(ACSSU177)</u>

Chemical reactions involve rearranging atoms to form new substances; during chemical reaction r is not created or destroyed <u>(ACSSU1</u>

Chemical reactions including combustic and the reactions o acids, are importan both non-living and systems and involv energy transfer (ACSSU179)

#### EARTH AND SPACE SCIE

The theory of plate tectonics explains <u>c</u> patterns of geologic activity and contine movement <u>(ACSSU</u>

Numeracy

**PHYSICAL SCIENCES** 

Energy transfer three different mediums of be explained using and particle models (ACSSU182)

## Year 9 Achieven

#### Science Understa

At Standard, studer of atoms and energ reactions. They des these to explain ph of geological proces function and respor to interdependencie

#### Science as a Hum

Students describe s developments.

### **Science Inquiry S**

Students design qu include the control and describe how t data, identify relationalyse their metho the quality of their from a scientific pe when communication

The science inquiry skills and science as a human endeavour st schools and teachers refer to the expectations outlined in the a

understanding strand for the relevant year level to ensure that three strands of the curriculum are interrelated and their conte the content descriptions are organised into teaching and learni

### Incorporating the key ideas of science

Over Years 7 to 10, students develop their understanding of mi scales are shaped by flows of energy and matter and interactio relative amounts.

In Year 9, students consider the operation of systems at a range system responds to its external environment and the interdepe They are introduced to the notion of the atom as a system of pi through nuclear decay. They learn that matter can be rearrange important role in many systems. They are introduced to the cor sophisticated view of energy transfer. They begin to apply their continental movement.

<u>Principles</u> <u>Teaching</u>

<u>Assessing</u>	
<u>Policy</u>	
<u>Resources</u>	

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