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Year 9 SyllabusTest

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Year Level Description

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- Year level descriptors
- Content Descriptions
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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 Syllab

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 mat
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 (ACSS

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

CHEMICAL SCIENCES

All matter is made
atoms that are
composed of proton
neutrons and electr
natural radioactivity

arises from the dec
nuclei in atoms
(ACSSU177)

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

Chemical reactions
including combusti
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 g
patterns of geologi
activity and contine
movement (ACSSU

Numeracy

PHYSICAL SCIENCES

Energy transfer thr
different mediums
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 proce
function and respor
to interdependenci

Science as a Hum

Students describe s
developments.

Science Inquiry S

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

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 rang system responds to its external environment and the interdepe They are introduced to the notion of the atom as a system of pr through nuclear decay. They learn that matter can be rearrang important role in many systems. They are introduced to the cor sophisticated view of energy transfer. They begin to apply their continental movement.

Assessing

Policy

Resources

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