Year 8 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 8 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 8, students
macroscopic proper
level and explore th
between interdepen
particle level, and c
classify different fo
in systems, includir
use experimentatio
explain these relati
make predictions a

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

views while conside

Science Understanding

BIOLOGICAL SCIENCES

Cells are the basic
of living things; the
have specialised
structures and func
(ACSSU149)

Multi-cellular organ
contain systems of
organs carrying out
specialised functior
that enable them to
survive and reprodu
(ACSSU150)

CHEMICAL SCIENCES

Properties of the
different states of r
can be explained in
terms of the motior
arrangement of par
(ACSSU151)

Differences betwee
elements, compour
and mixtures can b
described at a parti
level (ACSSU152)

Chemical change
involves substance
reacting to form ne
substances (ACSSU

EARTH AND SPACE SCIE

Sedimentary, igneo
and metamorphic r
contain minerals ar
formed by processe
that occur within Ea
over a variety of
timescales (ACSSU

PHYSICAL SCIENCES

Energy appears in
different forms, incl
movement (kinetic
energy), heat and
potential energy, ar
energy transformat
and transfers cause
change within syste

(ACSSU155)

Year 8 Achieven

Science Understa

At Standard, studer
model to explain ar
They identify differ
transformations cau
processes of rock fo
function at cell, org

Science as a Hum

Students explain ho
idea and where scie

Science Inquiry S

Students construct
safety and ethics w
experimental meth
controlled. They co
patterns and trends
explain how modifi
apply their scientifi
appropriate langua
and findings.

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 8, students are introduced to cells as microscopic struct
link form and function at a cellular level and explore the organi
interdependent organs. Similarly, they explore changes in matt
physical change. They begin to classify different forms of energ
including the role of heat and kinetic energy in the rock cycle. S
components in systems and explain these relationships through
and propose explanations, drawing on evidence to support thei

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