

TUNING IN - Upper Primary - Curriculum Links

NSW CURRICULUM - NESA

Stage 2

GEOGRAPHY

Places are similar and different:

- Perception and protection of places GE2-1, GE2-2, GE2-3

The Earth's Environment:

- Significance of environments | Perception of Environments | Protection of Environments, GE2-1, GE2-2, GE2-3

SCIENCE

Living World:

- Survival of Living Things ST2-1WS-S

Material World:

- Changes of state | Materials are used for a specific purpose ST2-6MW-S, ST2-7MW-T

Earth and space:

- How the Earth's surface changes over time ST2-1WS-S, ST2-10ES-S

Stage 3

SCIENCE

Living World:

- Growth and survival of Living Things | ST3-1WS-S, ST3-5LW-T
- Sustainably managing environments to source food and fibre | ST3-1WS-S, ST3-5LW-T

Material World:

- States of Matter | ST3-6MW-S, ST3-7MW-T
- Mixtures | ST3-6MW-S, ST3-7MW-T
- Properties of materials determine their use | ST3-6MW-S, ST3-7MW-T

GEOGRAPHY

Factors that shape places:

- Factors that change environments | GE3-1, GE3-2, GE3-3, GE3-4
- Humans shape places | GE3-1, GE3-2, GE3-3, GE3-4

VICTORIAN CURRICULUM

Level 3 & 4

DESIGN AND TECHNOLOGIES

Technologies and society:

- Recognise the role of people in design and technologies occupations and explore factors, including sustainability, that impact on the design of solutions to meet community needs ([VCDSTS023](#))

Engineering principals and systems:

- Investigate how forces and the properties of materials affect the behaviour of a designed solution ([VCDSTC024](#))

Materials and technologies specialisations:

- Investigate the suitability of materials, systems, components, tools and equipment for a range of purposes ([VCDSTC027](#))

Creating Design Solutions:

- Evaluating: Evaluate design ideas, processes and solutions based on criteria for success developed with guidance and including care for the environment and communities ([VCDSCD031](#))

GEOGRAPHY

Geographical Knowledge:

- Types of natural vegetation and the significance of vegetation to the environment, the importance of environments to animals and people, and different views on how they can be protected; the use and management of natural resources and waste, and different views on how to do this sustainably ([VCGGK082](#))
- Similarities and differences in individuals' and groups' feelings and perceptions about places, and how they influence views about the protection of these places ([VCGGK083](#))
- Similarities and differences between places in terms of their type of settlement, demographic characteristics and the lives of the people who live there ([VCGGK084](#))

SCIENCE

Science Understanding:

- Science as Human Endeavour: Science knowledge helps people to understand the effects of their actions ([VCSSU056](#))



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- Biological Science: Different living things have different life cycles and depend on each other and the environment to survive ([VCSSU058](#))
- Chemical Science: A change of state between solid and liquid can be caused by adding or removing heat ([VCSSU059](#)) | Natural and processed materials have a range of physical properties; these properties can influence their use ([VCSSU060](#))

Level 5 & 6

DESIGN AND TECHNOLOGIES

Technologies and Society:

- Investigate how people in design and technologies occupations address competing considerations, including sustainability, in the design of solutions for current and future use ([VCDSTS033](#))

Technologies Context: Materials and technologies specialisations:

- Investigate characteristics and properties of a range of materials, systems, components, tools and equipment and evaluate the impact of their use ([VCDSTC037](#))

Creating design solutions

- Investigating: Critique needs or opportunities for designing, and investigate materials, components, tools, equipment and processes to achieve intended designed solutions ([VCDSCD038](#))
- Evaluating: Negotiate criteria for success that include consideration of environmental and social sustainability to evaluate design ideas, processes and solutions ([VCDSCD041](#))
- Planning and managing: Develop project plans that include consideration of resources when making designed solutions ([VCDSCD042](#))

GEOGRAPHY

Geographical Knowledge:

- Location of the major countries of Europe and North America, in relation to Australia and their major characteristics including the influence of people on the environmental characteristics of places in at least two countries from both continents ([VCGGK091](#))
- Differences in the demographic, economic, social and cultural characteristics of countries across the world ([VCGGK093](#))
- Environmental and human influences on the location and characteristics of places and the management of spaces within them ([VCGGK096](#))
- Factors that influence people's awareness and opinion of places ([VCGGK097](#))

SCIENCE

Science as human endeavour:

- Scientific understandings, discoveries and inventions are used to inform personal and community decisions and to solve problems that directly affect people's lives ([VCSSU073](#))

Biological Sciences:

- The growth and survival of living things are affected by the physical conditions of their environment ([VCSSU075](#))

Chemical sciences:

- Changes to materials can be reversible, including melting, freezing, evaporating, or irreversible, including burning and rusting ([VCSSU077](#))