

<b>YEAR 8</b>	
<b>Science</b>	<b>Geography</b>
<p><b>Science understanding</b></p> <p><b>Biological sciences</b></p> <ul style="list-style-type: none"> <li>Recognise cells as the basic units of living things, compare plant and animal cells, and describe the functions of specialised cell structures and organelles (AC9S8U01)</li> </ul> <p><b>Science as a human endeavour</b></p> <p><b>Nature and development of science</b></p> <ul style="list-style-type: none"> <li>Investigate how cultural perspectives and world views influence the development of scientific knowledge (AC9S8H02)</li> </ul> <p><b>Use and influence of science</b></p> <ul style="list-style-type: none"> <li>Examine how proposed scientific responses to contemporary issues may impact on society and explore ethical, environmental, social and economic considerations (AC9S8H03)</li> </ul>	<p><b>Skills</b></p> <p><b>Concluding and decision-making</b></p> <ul style="list-style-type: none"> <li>Draw conclusions based on the analysis of the data and information (AC9HG8S04)</li> <li>Identify a strategy for action in relation to environmental, economic, social or other factors, and explain potential impacts (AC9HG8S05)</li> </ul> <p><b>Knowledge and understanding</b></p> <p><b>Landscapes and landforms</b></p> <ul style="list-style-type: none"> <li>Geomorphological processes that produce different landscapes and significant landforms (AC9HG8K01)</li> <li>The location and distribution of Australia's distinctive landscapes and significant landforms (AC9HG8K02)</li> <li>The spiritual, aesthetic and cultural value of landscapes and landforms for people, including Country/Place of First Nations Australians (AC9HG8K03)</li> <li>The interconnections between human activity and geomorphological processes, and ways of managing distinctive landscapes (AC9HG8K04)</li> <li>The causes and impacts of a geomorphological hazard on people, places and environments, and the effects of responses (AC9HG8K05)</li> </ul>

### Cross-Curricular Priorities

#### Aboriginal and Torres Strait Islander Histories and Culture

##### Country/Place

- First Nations communities of Australia maintain a deep connection to, and responsibility for, Country/Place and have holistic values and belief systems that are connected to the land, sea, sky and waterways (A\_TSICP1)

##### Culture

- First Nations Australians' ways of life reflect unique ways of being, knowing, thinking and doing (A\_TSIC2)

#### Sustainability

##### Systems

- All life forms, including human life, are connected through Earth's systems (geosphere, biosphere, hydrosphere and atmosphere) on which they depend for their wellbeing and survival (SS1)
- Sustainable patterns of living require the responsible use of resources, maintenance of clean air, water and soils, and preservation or restoration of healthy environments (SS2)
- Social, economic and political systems influence the sustainability of Earth's systems (SS3)

##### Design

- Sustainably designed products, environments and services aim to minimise the impact on or restore the quality and diversity of environmental, social and economic systems (SD1)

##### Futures

- Sustainable futures require individuals to seek information, identify solutions, reflect on and evaluate past actions, and collaborate with and influence others as they work towards a desired change (SF2)