

2026 Queensland Quantum Challenge - Curriculum Alignment to Australian Curriculum V9 - Geography (Years 9 and 10)

The Rationale and Aims for the Geography curriculum have been provided, with bolded text signifying alignment to the 2026 Queensland Quantum Challenge.

https://www.australiancurriculum.edu.au/f-10-curriculum/learning-areas/geography-7-10/year-9_year-10

Rationale

In a world of increasing global integration and international mobility, it is critical to sustainability and human wellbeing that young Australians develop a holistic understanding of the world. This requires deep knowledge and understanding of why the world is the way it is and the interconnections between people, places and environments over time.

Geography inspires curiosity and wonder about the diversity of the world's people, places and environments. Geography features a structured way of exploring, analysing and understanding the characteristics of the places that make up our world. **This enables students to question why the world is the way it is and reflect on their relationships with and responsibilities for the world.**

Geography provides students with opportunities to develop a wide range of general skills, capabilities and dispositions that can be applied in everyday life and at work. **The subject helps students to develop geospatial technologies and digital tools; an appreciation and respect for social and cultural diversity; a capacity for teamwork; and an ability to solve problems, and to think critically and creatively.**

Through the study of Geography, students become informed and responsible members of their local and global communities. They learn to act ethically to sustain and improve natural and social environments, and engage in the global community.

Aims

Geography aims to ensure that students develop:

- a sense of wonder and curiosity about, and respect for, places, people, cultures and environments throughout the world
- a deep geographical knowledge of their own locality, Australia, the countries of Asia and the world
- the ability to inquire and think geographically, using the geographical concepts of place, space, environment, scale, change, interconnections and sustainability

- the capacity to be competent, critical and creative users of geographical methods and skills, including questioning and researching, interpreting and analysing, concluding and decision-making, and communicating effectively
- an appreciation for the nature of geographical phenomena and challenges, and their impact on people's lives, places and environments
- capabilities to engage in everyday life, including critical and creative thinking, ethical understanding and intercultural understanding.

Achievement Standard Aspects and Content Descriptions

The Achievement Standard Aspects and Content Descriptions included provide connections to domains where applications of quantum and advanced technologies are being harnessed to solve problems.

Year 9 Geography	
Achievement Standard Aspect	Content Descriptions
Knowledge and Understanding	
Explain how peoples' activities or environmental processes change the characteristics of places.	The environmental, economic and technological factors that impact agricultural productivity, in Australia and a country in Asia (AC9HG9K03)
Analyse strategies to address a geographical phenomenon or challenge using environmental, social or economic criteria.	Challenges to sustainable food production and food security in Australia and appropriate management strategies (AC9HG9K04)
Skills	
Develop a range of questions about a geographical phenomenon or challenge.	Develop a range of questions for a geographical inquiry related to a phenomenon or challenge (AC9HG9S01)
Draw evidence-based conclusions about the impact of the geographical phenomenon or challenge.	Evaluate data and information to justify conclusions (AC9HG9S04)

Develop and evaluate strategies, predict impacts and make a recommendation.	Develop and evaluate strategies using environmental, economic or social criteria; recommend a strategy and explain the predicted impacts (AC9HG9S05)
Year 10 Geography	
Achievement Standard Aspect	Content Descriptions
Knowledge and Understanding	
Explain how the interactions of people and environmental processes at different scales change the characteristics of places.	The human-induced changes that challenge the sustainability of places and environments (AC9HG10K01)
Evaluate strategies to address a geographical phenomenon or challenge, using environmental, social and economic criteria.	Causes and effects of a change in an identified environment at a local, national or global scale, and strategies to manage sustainability (AC9HG10K04)
Skills	
Draw evidence-based conclusions, based on relevant data and information, about the impact of the geographical phenomenon or challenge.	Evaluate data and information to justify conclusions (AC9HG10S04)
Develop and evaluate strategies using criteria, recommend a strategy and explain the predicted impacts.	Develop and evaluate strategies using environmental, economic or social criteria; recommend a strategy and explain the predicted impacts (AC9HG10S05)