

Geography 2019 v1.1

Unit 2 sample assessment instrument

June 2018

Investigation — field report

This sample has been compiled by the QCAA to assist and support teachers in planning and developing assessment instruments for individual school settings.

Schools develop internal assessments for each senior subject, based on the learning described in Units 1 and 2 of the subject syllabus. Each unit objective must be assessed at least once.

Assessment objectives

This assessment instrument is used to determine student achievement in the following objectives:

1. explain geographical processes by describing the features, elements and interactions between physical and anthropogenic processes that shape the identity of places and that result in remote, rural, and urban places in Australia
2. comprehend geographic patterns by recognising spatial patterns of remote, rural and urban places in Australia, identifying relationships and implications for people and places
3. analyse geographical data and information by selecting and interpreting settlement data to infer how patterns, trends and relationships represent a geographical challenge for a specific place in Australia
4. apply geographical understanding by extrapolating from their analysis to generalise about the impacts on sustainability and liveability for people living in remote, rural, and urban places in Australia
5. synthesise information from their analysis to propose justified action/s in response to the identified geographical challenge to improve sustainability and liveability for places
6. communicate geographical understanding of sustainability and liveability challenges for places by selecting and using cartographic, graphic, written and mathematical skills and conventions to transform and represent geographical data and information.

Subject	Geography		
Technique	Investigation — field report		
Unit	2: Planning sustainable places		
Topic	1: Challenges facing a place in Australia		
Conditions			
Duration	Approximately 17 hours of the time allocated for Topic 1		
Mode	Written	Length	1500–2000 words
Individual/group	Individual	Other	<ul style="list-style-type: none"> • spatial technologies and/or ICT must be used to visually represent data, which must be fully integrated into the field report • authentication strategies as implemented by the school are required to ensure student authorship
Resources available	Transport Plan for Brisbane www.brisbane.qld.gov.au/traffic-transport/transport-plan-brisbane/transport-plan-brisbane-strategic-directions		
Context			
As population density increases in Brisbane as a result of urban consolidation, providing adequate, accessible and affordable public transport has become a challenge associated with sustainability and liveability.			
Task			
Conduct a field study to investigate the effectiveness of Brisbane’s public transport system and the capacity of the current infrastructure to meet the needs of users. Prepare a field report to present your findings.			
To complete this task, you must:			
<ul style="list-style-type: none"> • conduct a literature review to identify a public transport challenge for a location in Brisbane as a result increasing urban density and urban consolidation • form a partnership or small group to gather field data • create a fieldwork investigation plan and identify the location and site(s) for investigation (e.g. a specific bus route or a specific infrastructure location, such as parking facilities at a train station) • identify the type of data required and methods for data collection • create a fieldwork site map using Google Maps to locate and identify specific data collection sites • gather relevant quantitative and qualitative data from the fieldwork location and site(s) • transform fieldwork data using spatial technologies to create maps, map annotations and graphs • analyse and interpret the graphical and cartographic representations to infer how patterns, trends and relationships represent a challenge to sustainability and liveability as they related to the identified public transport challenge for the fieldwork location • extrapolate from your analysis to generalise about the impacts of the identified challenge for sustainability and liveability • synthesise information from the analysis to propose justified action in response to the identified challenge to improve sustainability and liveability • present your findings in a report, including data transformations and representations in suitable cartographic and graphic forms. 			

Stimulus
—
Checkpoints
<input type="checkbox"/> (after approximately 4 hours of the 17 hours) — discuss with your teacher the literature review and identified challenge to confirm its suitability for investigation
<input type="checkbox"/> (after approximately 6 hours of the 17 hours) — have your teacher approve the location and sites for fieldwork
<input type="checkbox"/> (after approximately 8 hours of the 17 hours) — have the teacher approve data collection methods
<input type="checkbox"/> (after approximately 12 hours of the 17 hours) — submit a draft for feedback
Feedback
Authentication strategies
<ul style="list-style-type: none"> • The teacher will provide class time for task completion. • Students will each produce a unique response by selecting appropriate data from the fieldwork and preparing an individual response. • Students will provide documentation of their progress at indicated checkpoints. • The teacher will collect and annotate drafts. • The teacher will conduct interviews or consultations with each student as they develop the response. • Students will use plagiarism-detection software at submission of the response. • Students must acknowledge all sources. • The teacher will compare the responses of students who have worked together in groups. • The teacher will ensure class cross-marking occurs.

Scaffolding

- The report may be an electronic publication (i.e. in non-paper form) that allows for interaction with the data representations.
- The report must include the following sections:
 - title page
 - introduction — a summary of the literature review and identified challenge as a result of increasing urban density and urban consolidation, a summary of the fieldwork findings, and a statement of the proposal
 - methodology — a statement that identifies data collection methods and limitations to investigate an identified geographic challenge
 - body — analysis and interpretation organised into appropriate sections and sub-sections, including transformation and representation of data into appropriate cartographic and graphic forms and in-text referencing where appropriate
 - conclusion — proposal/s
 - reference list — includes any references used to produce the report
 - appendices — raw fieldwork data represented in the report.