



National Certificate of Educational Achievement  
TAUMATA MĀTAURANGA Ā-MOTU KUA TAEA

**2003**

**GEOGRAPHY**

**Level Two**

Achievement Standard 2.5

Carry out guided geographic research

Credits:5

Internal assessment resource reference  
number:Geo/2/5 – C version 1

**“Research in a Local Setting”**

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**Date version published:**

30 March 2001

**Ministry of Education  
quality assurance status**

For use in professional development  
and trial activity in 2001 and 2002.

**Teacher Guidelines:**

The following guidelines are supplied to enable teachers to carry out valid and consistent assessment using this internal assessment resource.

**Context/setting:**

This assessment activity has been written to allow fieldwork and the use of primary (and secondary) sources. The activity is generic, allow students to select different topics.

**Conditions:**

This activity takes place over a period of three weeks with time allocated to information gathering and processing.

**Resource requirements**

As listed in *Student Instructions* section.

**Additional information:**

The activity allows group research if desired, providing each individual is assessed against each of the assessment criteria.

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***Student Instructions Sheet***

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**Task One: Geographic Research Procedures**

Use geographic procedures appropriately to accurately answer the following:

**a) *Planning Your Research***

- i) Select and state a research topic that you can research in your local area.
- ii) State clearly the question/issue you are going to investigate.
- iii) Identify what data you will need to collect (primary and secondary).
- iv) State what sources you will need to access to collect your data.
- v) State what field studies will be required to obtain primary data.
- vi) Select appropriate methods for recording your data.
- vii) Select appropriate methods to present your data.
- viii) Select appropriate methods to analyse your data.
- ix) Identify ethical issues and implications you need to consider and state what action you will take to address these.
- x)

**Refer to and follow your research plan to...**

- b) Collecting Your Research Data**
- c) Recording Your Research Data**
- d) Presenting Your Research Data**
- e) Analysing Your Research Data**
- f) Presenting Your Research Findings:** State your findings in detail. You should write approximately 400 words.



**Assessment Schedule:**

Task	Evidence	Credit	Merit	Excellence
1a	<p>Examples:</p> <p><i>Planning</i></p> <ul style="list-style-type: none"> <li>• Local topic - Pollution of the nearby waterway</li> <li>• Research question – What are the sources of the pollution and the consequences of this?</li> <li>• Data to collect - Toxicity level readings made regularly at various locations and over a period of time, opinions of locals individuals / groups gained / council consequence predictions examined</li> <li>• Sources stated – Readings from waterway, local individuals / groups, council reports, newspaper articles</li> <li>• Field studies - Regular trips to waterway, surveys in local area</li> <li>• Recording methods – tallies, survey sheets, notes</li> <li>• Presenting methods - primary – graphs and tables, secondary – written statements</li> <li>• Analysing methods – trend identification of water readings, comparisons of public opinion, facts identified</li> <li>• Ethical implications – Permission gained to access waterway through local farm, survey questions checked</li> </ul>	<p>Appropriate geographic procedures used for:</p> <p><i>Planning</i></p> <p>Local topic selected</p> <p>Research question defined</p> <p>Data to collect identified (primary &amp; secondary)</p> <p>Sources identified</p> <p>Field studies stated (for primary data)</p> <p>Recording methods selected</p> <p>Presenting methods selected</p> <p>Analysing methods selected</p> <p>Ethical implications identified</p>	<p>Appropriate geographic procedures used accurately for:</p> <p><i>Planning</i></p> <p>Local topic selected</p> <p>Research question defined</p> <p>Data to collect identified (primary &amp; secondary)</p> <p>Sources identified</p> <p>Field studies stated (for primary data)</p> <p>Recording methods selected</p> <p>Presenting methods selected</p> <p>Analysing methods selected</p> <p>Ethical implications identified</p>	<p>Appropriate geographic procedures used accurately and fully for:</p> <p><i>Planning</i></p> <p>Local topic selected</p> <p>Research question defined</p> <p>Data to collect identified (primary &amp; secondary)</p> <p>Sources identified</p> <p>Field studies stated (for primary data)</p> <p>Recording methods selected</p> <p>Presenting methods selected</p> <p>Analysing methods selected</p> <p>Ethical implications identified</p>
b & c	<p><i>Collecting &amp; Recording</i></p> <ul style="list-style-type: none"> <li>• Data collected – toxicity readings by location, time and date, locals individuals / groups views gathered, opinions / statistics / facts / recommendations from reports and articles gathered</li> <li>• Field studies conducted – evidence of raw data from field</li> <li>• Data recorded – Tallies of toxicity readings by location, time and date, surveys completed for a range of locals individuals / groups views, notes made from opinions / statistics / facts / recommendations from reports and articles</li> </ul>	<p><i>Collecting &amp; Recording</i></p> <p>Data collected</p> <p>Field studies conducted</p> <p>Data recorded</p>	<p><i>Collecting &amp; Recording</i></p> <p>Data collected</p> <p>Field studies conducted</p> <p>Data recorded</p>	<p><i>Collecting &amp; Recording</i></p> <p>Data collected</p> <p>Field studies conducted</p> <p>Data recorded</p>

d	<p><i>Presenting</i></p> <ul style="list-style-type: none"> <li>Data presented - graphs and tables drawn, statements written</li> </ul>	<p><i>Presenting</i> Data presented</p>	<p><i>Presenting</i> Data presented</p>	<p><i>Presenting</i> Data presented</p>
e	<p><i>Analysing</i></p> <ul style="list-style-type: none"> <li>Data analysed – trends analysed from graphs and tables, comparison statements written, facts stated</li> </ul>	<p><i>Analysing</i> Data analysed</p>	<p><i>Analysing</i> Data analysed</p>	<p><i>Analysing</i> Data analysed</p>
f	<p><i>Presenting Research Findings</i></p> <ul style="list-style-type: none"> <li>Findings stated – in paragraph form of - variations found in trends, comparisons and facts</li> </ul>	<p><i>Presenting Research Findings</i> Findings stated</p>	<p><i>Presenting Research Findings</i> Findings stated</p>	<p><i>Presenting Research Findings</i> Findings stated</p>
2	<p>Examples:</p> <p>Geographic ideas – location, accessibility, processes</p> <p>Explanation – location – variation between sites accessibility – to clean water processes – process of pollution</p>	<p>A geographic idea selected, stated and applied.</p>	<p>A range of geographic ideas selected, stated and applied.</p>	<p>A range of geographic ideas selected, stated and applied.</p>
3	<p>Examples:</p> <p>Evaluation – procedures show – more readings over a long period of time, give effective results, findings show – levels of pollution high and a danger to wildlife and people.</p>	<p>Importance and validity of research assessed.</p>	<p>Each geographic idea used to interpret the data.</p>	<p>Each geographic idea explained fully and effectively and used to interpret the data.</p>
		<p>Importance and validity of research assessed.</p>	<p>Importance and validity of research assessed.</p>	<p>Importance and validity of research assessed fully and effectively (both procedures and findings).</p>