**Stage 2 Geography**

**Assessment Type 1: Geographical Skills and Applications**

**Ecosystems and Ecological Footprints**

**Purpose**

Investigate your individual ecological footprint using the WWF ecological footprint calculator. Explore and suggest reasons for your measurement and suggest strategies that could be implemented to reduce your footprint.

**Assessment Description**

* Access the WWF website at <http://www.wwf.org.au/get-involved/change-the-way-you-live#gs.3PQIv5w> and read the information on the page, ‘Change the way you live’.
* Click on the link to the footprint calculator and complete the ecological footprint quiz.
* Save or print your ecological footprint information after you complete the quiz.
* Click on the link to explore scenarios and select the actions you would be prepared to do in order to reduce your footprint measurement. Note the impact these have on your measurement.
* Explore the changes you can make to reduce your footprint, click on the links to reduce, reuse, recycle; shopping; food waste; reducing energy; travel

**Assessment Conditions**

* Create a written report on your footprint measurement, analysis and recommendations to reduce your footprint.
* Your report should include:
  + your footprint measurement calculated from the online quiz
  + suggested reasons for your footprint measurement
  + personal recommendations you could put in place to reduce your footprint measurement
  + visual representations including graphs, diagrams, maps.
* Your report should be to a maximum of 500 words.

The specific features being assessed are:

AE1 Analysis of the complex interactions between, and interdependence of**, people and environmental, social, and economic factors**.

AE2 Analysis and evaluation of information to determine possible outcomes and make justifiable and ethical recommendations, form conclusions, and solve problems.

Ap1 **Application** and/or evaluation **of geographical** and fieldwork **skills**, including the use of spatial technologies, to identify and examine geographical issues.

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| - | Knowledge and Understanding | Analysis and Evaluation | Application |
| A | Comprehensive knowledge and understanding of geographical concepts.  Comprehensive knowledge and understanding of environmental, social, and economic change. | Insightful analysis of the complex interactions between, and interdependence of, people and environmental, social, and/or economic factors.  Comprehensive analysis and evaluation of information to determine possible outcomes, make justifiable and ethical recommendations, and/or form conclusions, and/or solve problems. | Purposeful and sophisticated application and/or evaluation of a variety of geographical and fieldwork skills, including the use of spatial technologies, to identify and examine complex geographical issues.  Clear and coherent communication of relevant geographical information and findings, using appropriate subject-specific terminology and visual representations. |
| B | Well-considered knowledge and informed understanding of geographical concepts.  Well-considered knowledge and informed understanding of environmental, social, and economic change. | Thoughtful analysis of the complex interactions between, and interdependence of, people and environmental, social, and/or economic factors.  Detailed and well-considered analysis and evaluation of information to determine possible outcomes, make justifiable and ethical recommendations, and/or form conclusions, and/or solve problems. | Well-considered application and/or evaluation of different geographical and fieldwork skills, including the use of spatial technologies, to identify and examine geographical issues.  Clear communication of relevant geographical information and findings, using appropriate subject-specific terminology and visual representations. |
| C | Considered knowledge and informed understanding of geographical concepts.  Considered knowledge and informed understanding of environmental, social, and economic change. | Considered analysis of aspects of the complex interactions between, and interdependence of, people and environmental, social, and/or economic factors.  Considered analysis and some evaluation of information to determine possible outcomes, make recommendations with some ethical considerations, and/or form conclusions, and/or attempt to solve problems. | Competent application and/or evaluation of geographical and fieldwork skills, including the use of spatial technologies, to identify and examine geographical issues.  Competent communication of generally relevant geographical information and findings, using mostly appropriate subject-specific terminology and visual representations. |
| D | Recognition and basic understanding of some geographical concepts.  Basic awareness and some understanding of aspects of environmental, social, and/or economic change. | Superficial consideration of an aspect or aspects of the basic interactions between, and interdependence of, people and the environmental, social, or economic factors.  Superficial consideration of information to describe possible outcomes and recommendations. | Some basic application and/or evaluation of some geographical and fieldwork skills, which may include the use of spatial technologies.  Basic communication of some geographical information and findings, using occasional subject-specific terminology and visual representations. |
| E | Identification of one or more geographical concepts.  Emerging awareness of aspects of environmental, social, and/or economic change. | Limited recognition and description of the basic interactions between people and the environment.  Description of information linked to a possible outcome or recommendation. | Limited application and/or evaluation of geographical and fieldwork skills.  Attempted communication of geographical information and findings, with limited use of subject-specific terminology or visual representations. |