

Task: Sustainable Building Project

Name:

Due date:








General Capabilities & Strands	Understanding & Skills focus	DEVELOPING	CONSOLIDATING	EXTENDING
Literacy	The application of environmental economic and social criteria in evaluating management responses to the change	Applies limited environmental economic and social criteria in evaluating management responses to the change	Applies sound environmental economic and social criteria in evaluating management responses to the change	Applies advanced environmental economic and social criteria in evaluating management responses to the change
Numeracy				
ICT Capability	The capacity to be competent, critical and creative users of geographical inquiry methods and skills	Uses limited geographical vocabulary, concepts and geographical conventions and develops a geographical text that incorporates some relevant data from primary sources and secondary sources.	Uses geographical vocabulary, concepts and geographical conventions appropriately to develop a geographical text that incorporates data from primary sources and secondary sources,	Uses geographical vocabulary, concepts and geographical conventions appropriately to develop a complex geographical text that incorporates detailed and highly relevant data from primary sources and secondary sources,
Creative and Critical Thinking				
Intercultural Understanding.				
	The application of geographical concepts and methods to the management of the environmental change being investigated	Applies some geographical concepts and methods to the management of the environmental change being investigated	Applies geographical concepts and methods to the management of the environmental change being investigated	Applies advanced geographical concepts and methods to the management of the environmental change being investigated

Work Habits	Requires Improvement	Meeting Expectations	Commendable
Engagement with Learning	Work reflects a lack of interest in task	Reliable attitude and good effort	Mature approach to task and excellent attention to detail
Self-Management	<ul style="list-style-type: none"> • Very little completed • Work not completed on time • Easily distracted • Requires constant teacher guidance 	<ul style="list-style-type: none"> • Works well during class. • Work completed on time 	<ul style="list-style-type: none"> • Sets high goals for self and works diligently to achieve these goals • Work completed to a very high standard and on time

Student Reflection:

Teacher Comments:

General Capabilities

-  Literacy
-  Numeracy
-  ICT capability
-  Critical and creative thinking
-  Ethical behaviour
-  Personal and social capability
-  Intercultural understanding

Assignment Outline

Design a home of the future with sustainability and your carbon footprint in mind.

Task: Draw (by hand) a house plan and elevation. It is a concept design. **It is for a family of FOUR.**

Under the following headings, describe the measures you will take to make your home an example of sustainable living.

House design

Lighting, Heating, Water, Waste Management, Food Production, Energy, Transport, House Size, Location, Solar Energy, Insulation etc.

Building Materials

How do you build a house for Tasmania to maximise energy savings?

Energy use and efficiency

Furnishings

This must be a practical home with a standard house building budget.

The aim is to look for where you can make efficiencies.

It **MUST** address the latest Tasmanian building codes for energy efficiency and environment.

A good place to start is the DIER website OR the Sustainable Living Tasmania website.

<http://www.dier.tas.gov.au>