ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

Subject	Geography – Year 8
Topic	Water in the World
Class Teacher	Bonin, Brown, Sutherland, King, Wright, Fardell
Head Teacher	Paine
Stage	4
Task Weighting	50%
Date Given	Week 6
Date Due	Week 8 – Date to be determined by classroom teacher
Feedback Given	On exam paper/ submission. Verbal feedback if requested.

Assessment Outline

Outcomes

- GE4-1 locates and describes the diverse features and characteristics of a range of places and environments
- GE4-3 explains how interactions and connections between people, places and environments result in change
- GE4-5 discusses management of places and environments for their sustainability

Scenario

You are a Geographer working on water management in cities. The Orange City council has hired you to investigate how water sustainable the city of Orange is.

Summary - Scaffolds for each section found on subsequent pages.

Students will write and submit a water scarcity report about how effective Orange uses its water. The report will be broken into two sections:

Part A - **Primary Data Collection** - You are to conduct primary research on ONE example of water management in Orange and report on how effective it is. (10 Marks)

Part B - **Secondary Data Collection**- You are to conduct a secondary research on ONE example of water management in Orange and report on how effective it is. (10 Marks)

Part A Scaffold

Primary Data Collection - To be completed as a class.
**If students are away on the data collection day they will be provided with an answer booklet.*

Students will go to Ploughmans Wetlands to complete fieldwork into how Orange City Council uses Stormwater Harvesting as a management strategy to make Orange a more water sustainable city.

Before the fieldwork

Before the trip students are recommended to watch the Pre Fieldwork video, classroom teachers may show in class beforehand.

During the fieldwork

During the fieldwork students will be given a fieldwork booklet to help them gather the primary data.

After the fieldwork

Students will start writing their Water Scarcity Report. Classroom teachers may provide a lesson in class to start this section. The report should include the following subheadings:

1. Describe the size and scale of Ploughmans Wetlands.
- Use Precis Map and add a satellite map with the area and dimensions of the wetlands.
- Use primary data in relation to flow rate and biodiversity.

2. Explain how the water cycle operates in the area.
- Describe how the stormwater harvesting system works.
- Add photos and field sketches showing how it works.
- Discuss infiltration and flow rate results and how they operate in the stormwater harvesting system.

3. Description of water quality in the area.
- Refer to primary data in relation to turbidity and Water Bug ID and Water Tests.
- Judge how polluted the water is.

4. Assessment
- Is the Ploughman Wetlands an effective water management strategy?

- # Part B Scaffold

Secondary Data Collection

Research a current management strategy that is being used in the local Orange area. This could include:

- North Orange's Purple Water System
- Domestic Grey Water Use
- Council Water Restrictions
- Water Pipeline
- Expansion of Suma Park Dam

Once a management strategy has been selected then students will write the second part of the report. It should include:

1. Describe the size and scale of the strategy.
- Does it target houses, businesses, farmers ect.?
- Who is running the strategy?
- Add a map or photo.

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2. Explain how the water cycle operates within the strategy.
- Describe how the management strategy works..
- What are the main parts of the water cycle that makes the strategy work?
- Add photos and diagrams.

3. Assessment
- Assess the management strategy.
- What are the positives and negatives? Is it effective?

Tips

- Use the subheadings above to structure your report.
- Use the prompts underneath to help your response.
- Include as many relevant photos and maps as you can.
- Try to use as many relevant statistics as possible.

Marking Rubric

Part A - Primary Data (10 marks)

Mark	Guidelines
9-10	- Presents a detailed and well-structured response that discusses the water management Ploughmans Wetlands and how it contributes to sustainability - Specific reference to primary data collected. - Appropriately follows all aspects of the scaffold provided. - Provides a thoroughly detailed assessment of Ploughmans Wetlands. - Uses a range of geographical terms accurately and appropriately.
7-8	- Presents a well-structured response that discusses the water management Ploughmans Wetlands and how it contributes to sustainability - Reference to primary data collected. - Follows all aspects of the scaffold provided. - Provides a detailed assessment of Ploughmans Wetlands. - Uses a range of geographical terms.
5-6	- Presents a structured response that discusses the water management Ploughmans Wetlands and how it contributes to sustainability - Some primary data collected. - Follows most aspects of the scaffold provided. - Provides an assessment of Ploughmans Wetlands. - Uses a range of geographical terms.
3-4	- Presents a response that discusses the water management of Ploughmans Wetlands and how it contributes to sustainability with limited structure. - Primary data not referenced. - Misses aspects of the scaffold provided. - Briefly mentions an assessment of Ploughmans Wetlands. - Uses some geographical terms.
1-2	- Presents a limited response that may mention the water management of Ploughmans Wetlands. - Primary data not referenced. - Does not follow the scaffold provided. - Does not mention an assessment of Ploughmans Wetlands. - Does not use geographical terms.

Part B - Secondary Data (10 Marks)

Mark	Guidelines
9-10	- Presents a detailed and well-structured response that discusses a water management strategy and how it contributes to sustainability - Specific reference to secondary sources. - Appropriately follows all aspects of the scaffold provided. - Provides a thoroughly detailed assessment of the management strategy. - Uses a range of geographical terms accurately and appropriately.
7-8	- Presents a well-structured response that discusses a water management strategy and how it contributes to sustainability - Reference to secondary data collected. - Follows all aspects of the scaffold provided. - Provides a detailed assessment of the management strategy. - Uses a range of geographical terms.
5-6	- Presents a structured response that discusses a water management strategy and how it contributes to sustainability - Some reference to secondary data. - Follows most aspects of the scaffold provided. - Provides an assessment of the management strategy. - Uses a range of geographical terms.
3-4	- Presents a response that discusses a water management strategy and how it contributes to sustainability with limited structure. - Secondary data not referenced. - Misses aspects of the scaffold provided. - Briefly mentions an assessment of the management strategy. - Uses some geographical terms.
1-2	- Presents a limited response that may mention a water management strategy. - Secondary data not referenced. - Does not follow the scaffold provided. - Does not mention an assessment. - Does not use geographical terms.