



Condobolin High School

Notification of an Assessment Task



Name and Type of Task: Poster

Subject: Year 7 Science

Task Number: 2

Date Issued: Term 3 Week 3

Date Due: Term 3 Week 5

Thursday, 8th August 2024

Thursday, 22nd August 2024

Total Marks: 20

Weighting: 35%

Class Teacher/s: Ken Aveling-Rowe

Head Teachers: Judith Davis

Submission Instructions: Students are to submit their poster during their Science lesson on the due date, **Thursday, 22nd August 2024. 7A - Period 2, 7B - Period 1.**

Task Context:

In this unit, you have learned about the world of biology by learning about the classification of living things. We've discovered how every creature, from the tiniest insect to the largest mammal, has its unique place in the vast tree of life. A key tool we've explored is the dichotomous key, a method that helps us organise and identify various species by their distinct characteristics.

In this task, you will use this knowledge to the environment around the Lachlan River in Condobolin. You'll research specific organisms, create creature cards, design your own dichotomous keys, and prepare a poster to communicate your findings.

Course Outcomes:

SC4-14LW	relates the structure and function of living things to their classification, survival and reproduction
SC4-4WS	identifies questions and problems that can be tested or researched and makes predictions based on scientific knowledge
SC4-6WS	follows a sequence of instructions to safely undertake a range of investigation types, collaboratively and individually
SC4-7WS	processes and analyses data from a first-hand investigation and secondary sources to identify trends, patterns and relationships, and draw conclusions
SC4-9WS	presents science ideas, findings and information to a given audience using appropriate scientific language, text types and representations

Task Description:

Poster (20 marks)

In this task, you will be required to collect information about fish and birds that live in the local Condobolin area. You will need to identify 5 fish and 5 birds, create creature cards for each and organise these into a dichotomous key, presented in a poster.

1. Create Creature Cards:

- Conduct research about 5 fish and 5 birds around the Lachlan River area.
- For each fish and bird, make a card that includes:
 - The scientific and common name of the organism (like “*Dromaius novaehollandiae*” for the emu).
 - A picture or drawing of the animal.
 - A description of its key features (including size, colour and diet).
 - A description of any adaptations (any special features or behaviours that help the organism survive in its environment).
 - A description of how this organism impacts other organisms in the ecosystem

2. Develop Your Poster:

- On a poster, classify each group of organisms using a dichotomous key for each group (fish and birds) using only the creatures in your cards.
 - Start with broad features (like “Does it have wings?” Yes or No) and narrow down to more specific ones (like “Is it green?”).
- This should look like a branching path or flowchart.

3. Bibliography:

- Make a list of all the resources you used, including books and websites, to gather information about your fish and birds.

Poster Tips:

- Layout matters: Make sure your poster is easy to read. Place the title at the top, followed by your dichotomous keys.
- Use colour: Make it visual and fun to look at.
- Images are key: Use clear images or drawings of the organisms.
- Keep it neat: Make sure your writing is clear and easy to read. Consider using printed labels or creating your cards using Canva or Google Slides.

Criteria for Assessing Learning:

You will be assessed on your ability to:

- Classify and describe organisms based on their structures, functions, how they survive and how they reproduce.
- Collect scientific data and information.
- Analyse secondary data and information about organisms to identify the relationships between them.
- Communicate, using a well-designed poster, scientific information and findings using appropriate scientific language and figures.

Key Verbs:**Analyse**

Identify components and the relationship between them; draw out and relate implications.

Classify

Arrange in classes or categories according to shared qualities or characteristics.

Communicate

Sending information between groups of people using language appropriate for the audience.

Describe

Provide characteristics and features.

Design

Plan out and make decisions.

Identify

Recognise and name.

Process

a series of actions or steps taken in order to achieve a task.

Relate

make or show a connection between.

Description	Grade
<ul style="list-style-type: none"> ● Applies extensive scientific knowledge to classify and describe all organisms based on their features. ● Extensively analyses scientific data to discern relationships between all organisms. ● Presents scientific information in a well-organised poster, utilising sophisticated language and meticulous drawings. 	<p style="text-align: center;">A</p> <p style="text-align: center;">18-20</p>
<ul style="list-style-type: none"> ● Applies comprehensive scientific knowledge to classify and describe most organisms. ● Comprehensively analyses scientific data, capturing most relationships between most organisms. ● Presents scientific information in a mostly organised poster, with thorough language and drawings. 	<p style="text-align: center;">B</p> <p style="text-align: center;">14-17</p>
<ul style="list-style-type: none"> ● Uses some scientific knowledge to classify and describe some organisms. ● Interprets scientific data to recognise relationships between organisms. ● Presents scientific findings in a poster with some organised features, using standard terminology and basic illustrations. 	<p style="text-align: center;">C</p> <p style="text-align: center;">8-13</p>
<ul style="list-style-type: none"> ● Draws upon basic scientific knowledge to classify or describe some organisms. ● Reviews scientific data and spots some relationships between organisms. ● Presents scientific information using some fundamental scientific language and sketches. 	<p style="text-align: center;">D</p> <p style="text-align: center;">4-7</p>
<ul style="list-style-type: none"> ● Draws upon limited scientific knowledge to classify or identify features of a limited range of organisms. ● Engages with limited scientific data to understand organism relationships. ● Presents scientific information using limited scientific language and drawings. 	<p style="text-align: center;">E</p> <p style="text-align: center;">0-3</p>

Example Creature Card Template:

Scientific Name:


Common Name:

Key features:

Size -

Colour -

Diet -



Picture of Animal

Adaptations and special features:

Impact: