

Year Level: 4

Subject: Science - Ecosystem Exhibit



Australian Curriculum: Students will describe relationships that assist the survival of living things and sequence key stages in the life cycle of a plant or animal. They will understand that living things, including plants and animals, depend on each other and the environment to survive.

Congratulations!! You have been selected, as one of our finest and most experienced Australian researchers, to present a new exhibit at Meet-a-Creature's grand opening day on (date). This will mean creating a diorama for either;

- the wild African National Game Park
- the serene Australian Great Barrier Reef
- or the astonishing South American Amazon Rainforest.

To fully equip and prepare yourself for your BIG day, the grand opening of the new wildlife centre here in McLaren Vale, you will need to make sure that you have researched the living and non-living systems of your chosen habitat and understand the form and function of these systems.

Your task is to individually **research, design and create a diorama** of your chosen ecosystem so that it can be presented at our new wildlife center. Being clear on what makes a good exhibit will be important. Your exhibit can be created within a small box, no bigger than 40cm wide by 30cm high. Examples of living and non-living organisms will need to be included and information about them will need to be present too.

Things to think about:

- What makes a good exhibit?
- What living and non-living systems make up your chosen ecosystem?
- What colours will you use in your diorama?
- What animals live there?
- What plant life can be found there?
- How does the food-web work?
- What examples of symbiotic relationships are present?



Lesson Time:

- 4 x iPad/Laptop lessons to research your chosen ecosystem
- 6 x RBL lessons working with Mrs Grice and Mrs Corbett
- 1 x lesson using Explain Everything to record your exhibit and learning

Use your time wisely. Any spare time you have in class can be used to complete this task.

DUE DATE: Your diorama will need to be completed and presented on (date).

Have fun creating your ecosystem!

SCIENCE: Ecosystem Exhibit

DUE DATE: (date)

Ecosystem: _____

Assessment Criteria	0	1	2	3	4
Environment	No environment included	Environment is not relevant	A good effort made to include appropriate aspects of environment	Environment is relevant with some detail	Environment is well researched and detailed
Living & Non-Living Systems	No systems included	Incomplete systems included	Satisfactory systems, both living and non-living included	Clear and relevant living and non-living systems included	Living and non-living systems are well researched, detailed and clearly identified
Symbiotic Relationship	No symbiotic relationship included	Effort gone into researching a symbiotic relationship	Basic information included	Clear and relevant symbiotic relationship included	Detailed symbiotic relationship included
Creativity	Unsatisfactory, reflecting no creative effort at all	Some creative effort shown	Good creativity	Very good creativity. Obvious care and attention to detail	Excellent creativity. Highly detailed with relevance to the topic
Presentation (Effort and Care)	Diorama is rushed and not clearly labeled	Diorama needs improvement and more detail/labeling	Diorama is satisfactorily presented	Diorama is neat and clearly labeled	Diorama is very neatly presented and clearly labeled
Time Management & Organisation	Little evidence of time management shown	Some evidence of time management shown	Satisfactory use of time management shown	Very good use of time management shown	Excellent use of time management shown
Submission of Assignment	Submitted over 1 week late	Submitted 3 days late	Submitted 2 days late	Submitted 1 day late	Submitted before or by the due date
Student Reflection	<p><i>What did you find most challenging about this task?</i></p> <p><i>What have you learnt through this task?</i></p> <p><i>In what areas could you improve your work?</i></p>				
Teacher Reflection					



Plan - Initial thoughts and ideas

1. What and where is your chosen ecosystem? _____



2. What makes a good exhibit?

3. What living organisms are important to your ecosystem?

4. What non-living organisms are important to your ecosystem?

5. Explain how the food chain works?

6. What symbiotic relationships are vital to your ecosystem



TATACHILLA
lutheran college

