

Teacher's Guide

Ecological Relationships Project

Students will:

- “summarize the relationships among producers, consumers, and decomposers including the positive and negative consequences of such interactions including coexistence and cooperation, competition (predator/prey), parasitism, and mutualism”.
- research a specific ecosystem and describe at least 3 different ecological relationships in that ecosystem.
- create a presentation (using template) to describe these ecological relationships.

Students can work on this individually, in pairs, or in groups.

Step 1:

Students can choose, or you can assign, an ecosystem that they would like to research. They will research the relationships between the organisms in this ecosystem. Ecosystems included to study in this resource include a savanna, tropical rainforest, open ocean, estuary, desert, tree hollow, and more. There are 20 included in this resource.

Step 2:

Students will research the relationships between organisms in their assigned ecosystems using the provided presentation. They have options to read and watch resources based on their assigned ecosystem. Students can write down research and brainstorm their presentation on the worksheet provided - Ecological Relationships Project Brainstorm.

Step 3:

Students will use the Ecological Relationships Project Template to create their presentation to record their findings. They should discuss at least three different organism interactions in their ecosystem. They must identify the types of relationships, describe the relationships, and provide visuals of the relationships.

Step 4:

After students create their presentation, they can present to the class and/or turn it in to you for grading. A rubric is provided!

This [lesson](#) pairs well with this project.

Students will research ecological relationships in an assigned or chosen ecosystem.

There are **TWENTY to choose from in this resource!**

Savanna

Estuary

Temperate Grassland

Lava Field

Coral Reef

Salt Flat

Students will use the **Ecological Relationships Project Research Presentation** to learn more about the relationships in the ecosystem.



Students will collect ideas and brainstorm which ecological relationships they plan to describe.



Name

Date

Ecological Relationships Project Brainstorm

Ecosystem

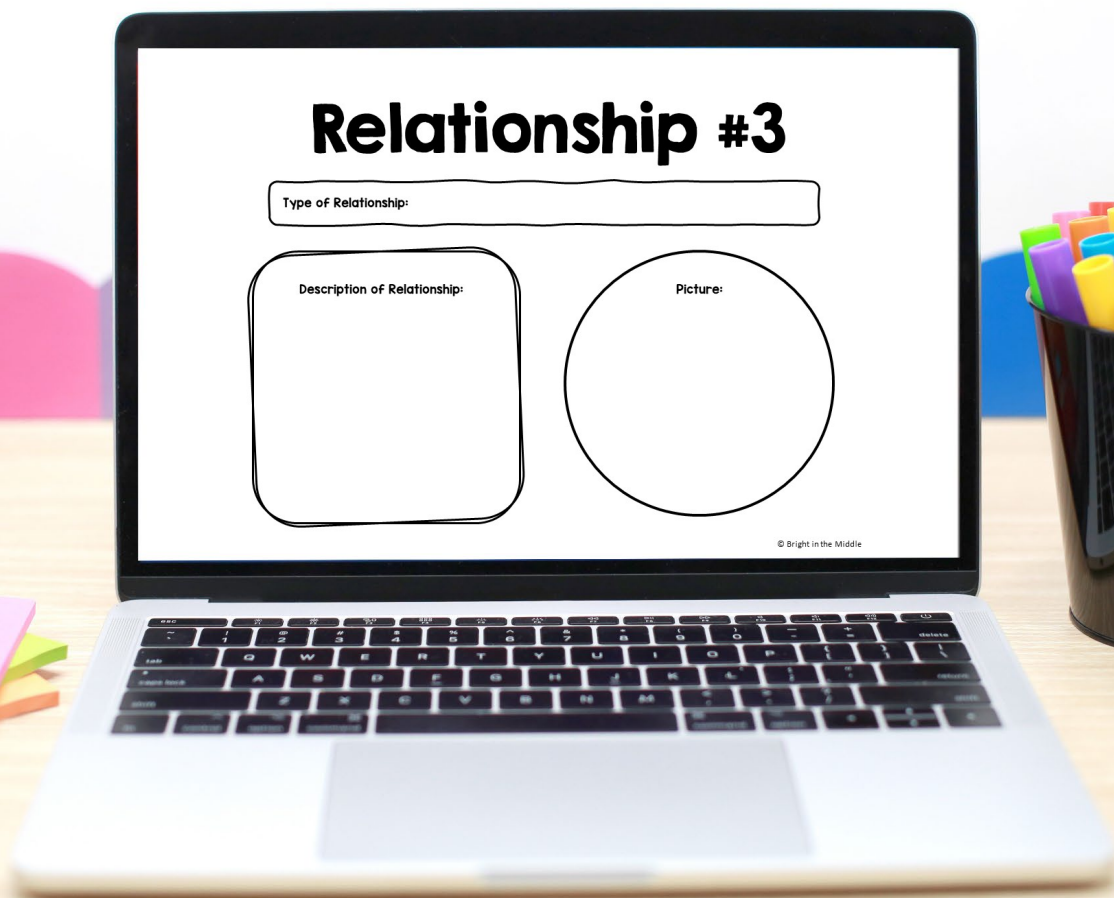
Describe ecosystem relationship #1.

Describe ecosystem relationship #2.

Describe ecosystem relationship #3.

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**Students will use the
Ecological Relationships
Project Template to
create a presentation to
record their findings!**



A rubric is also included!

Name

Date

Ecological Relationships Project Rubric

Criteria	Excellent (4)	Good (3)	Fair (2)	Poor (1)
Identification of Types of Relationships	Clearly identifies all types of relationships.	Clearly identifies the types of relationships with some errors.	Somewhat identifies the types of relationships, but there are many errors.	Does not identify the types of relationships.
Examples of Ecological Relationships	Presents at least 3 clear examples of ecological relationships.	Presents at least three examples of ecological relationships but may lack depth in description.	Presents less than three examples of ecological relationships and may lack depth in description.	Fails to provide good examples of ecological relationships within the ecosystem.
Use of Visuals	Uses relevant and high-quality visuals to support ecological relationships.	Uses visuals but may lack relevance or clarity.	Uses visuals but all are irrelevant.	Visuals are absent or distract from the presentation.
Overall Presentation	Presentation demonstrates thorough research and materials are effectively presented.	Presentation meets most expectations and materials are mostly effectively presented.	Presentation meets some expectations but may lack depth.	Presentation fails to meet expectations in multiple areas.
Points				

Feedback: _____

Total: _____

Grade: _____

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