

Lesson Three: Student Presentation on the Tropical Rain Forest

Objectives:

1. Students will display effective use of PowerPoint as they give a presentation on their assigned earth sphere.
2. Students will interpret data, graphs, diagrams and maps for their peers.
3. Using a provided template, students will discern and record relevant information from peer presentations.

Background:

In this lesson, each group of students will be formally sharing their research with the class. The teacher will be using the provided rubric (see Master 2.6) to evaluate the work of each group. Individual students will be taking notes on each presentation using the provided template. (see Master 3.1). This will introduce them to the Rain forest Biome as well as reinforce the concept of the four earth spheres. (Note: Teacher may want to use these sheets as study guides for any content testing that might be done. These pages will also be used in lesson 5)

Once presentations have been completed, students will prepare for the next lesson by signing up for food items to bring in and share with the class.

Materials:

LCD projector

Computer / PowerPoint software

Copy of Rain forest Biome Sheet (Master 3.1) for each student

Copy of Grading Rubric (Master 2.6) one per group for teacher use.

Copy of List of Rain forest Foods (Master 3.2)

Procedure:

1. Teacher passes out a Rain Forest Biome sheet to each student (Master 3.1). Explain to the class that as each group gives their presentation every student should record important information outlined on the template. Instruct students to take good notes and keep this handout as the information will be need in lesson 5.
2. Students will give their PowerPoint presentations on the Rain forest Spheres to the class. The order of sphere presentations is up to the discretion of the teacher.
3. As students give presentations, the teacher, using the provided rubric page (Master 2.6) evaluates content and quality of each group's presentation.
4. After the presentations are completed, the teacher may want to collect Rain forest Biome sheets to evaluate content and completeness.
5. To prepare for the next lesson, have the students sign up to bring in foods which typically originate from tropical rain forest regions. See suggested list provided. (Master 3.2) Note: Students may bring in items that contain an ingredient from the list. For example: avocados – students bring in guacamole, cinnamon – students bring in cinnamon rolls. *Teacher may want to ask students about food allergies.
6. Assign homework: Bring in food item as well as a color picture of a tropical rain forest plant or animal. The pictures will be used to create a class collage during the next lesson.

Rain Forest Biome Sheet

Name _____

Lithosphere

Location	
Topography	
Soil	
Importance/Impact	

Hydrosphere

Precipitation	
Major Waterways	
Importance	
Sketch water cycle	

Master 3.1

Atmosphere

Temperature	
Weather	
CO₂/O₂ Diagram	
Importance/Impact	

Master 3.1

Biosphere--Plants

Ground cover	Definition: Adaptation example:
Upper story	Definition: Adaptation example:
Canopy	Definition: Adaptation example:
Importance	

Master 3.1

Biosphere--Animals

Reptiles (give one example)	Adaptation example: Importance:
Insects	Adaptation example: Importance:
Birds	Adaptation example: Importance:
Mammals	Adaptation example: Importance:

List of Rain Forest Foods

Food	Name
cashews	
brazil nuts	
mangos	
bananas	
tapioca	
plantains	
cinnamon	
pineapple	
vanilla	
cucumber	
sweet potatoes	
chocolate	
oranges	
grapefruit	
coffee	
rice	
tea	
coconut	
avocados	
lemons	
limes	
passion	
starfruit	