



BREEF Teacher Training Workshop Lesson Plan

Name: Patrice Green

Subject: Biology

Date: 20th July, 2007

Grade Level: 10

Time: 60 minutes

Lesson Title: Coastal Mangrove Ecosystems

Lesson Purpose/Rationale: To have a greater awareness and appreciation for marine coastal habitats.

Objectives: At the end of the lesson, students will be able to:

1. Identify the four main types of mangroves found in The Bahamas
2. Illustrate zonation of mangrove types in coastal areas

Resources: Mangroves of the Caribbean ID Guide, red, white, black & buttonwood leaf samples.

Procedure:

Introduction: Students will be given lyrics to the mangrove song and will sing it along with the teacher. The teacher will collect the song sheet then ask students to identify at least one characteristic of each mangrove type from the song.

Development:

Students will be grouped for the following activities:

Using the ID guide students will collect samples of each type of mangrove. They will then tape samples of the leaf, flower & fruit of each as available to a sheet and label accordingly.

Students will then be required to read materials from Wondrous West Indian Wetlands on mangrove zonation. They will then draw and label a cross section/map of typical coastal area to show the following features: shoreline, red mangrove, black mangrove, white mangrove, buttonwood, high tide mark, low tide mark.

Assessment: Students will be placed in groups; each group will be required to write 15 questions on mangroves 3 each in the following categories: leaf adaptations, flower, fruit, root system, habitat. The teacher will use these to play a game of mangrove jeopardy.