

# BIODIVERSITY / LESSON OVERVIEW

## Objectives

### The students will:

- Learn the aspects of biodiversity;
- Be able to describe what happens when biodiversity is lost;
- Learn about conservation;
- Gain understanding using real-world scenarios.

## Lesson Summary

### Part 1. Understanding Biodiversity

Students will gain an understanding of what biodiversity is, the three variations of biodiversity, and how each variation can affect the biodiversity of a habitat.

### Part 2. The Importance of Biodiversity

Students will learn why it is important for ecosystems to be biodiverse and how natural events can affect the biodiversity of ecosystems.

### Part 3. Damaged Ecosystems

Students will discover things that can contribute to a decrease in biodiversity within an ecosystems and some of the specific things that we do that directly interfere with the biodiversity such as overexploitation.

### Part 4. How People Can Help

Students will learn how people, programs, and organizations can help preserve biodiversity in the wild through protected areas, restoration projects, conservation, and probably the important way knowledge and education.

### Activity 1. Ask the Expert

This activity will enhance the students' knowledge of the nature and function of biodiversity and ecosystems. They will gain understanding of biodiversity and conservation science in real world applications by interviewing an expert in the field.

## Materials

- Pen or pencil
- Notebooks
- Activity Sheet (optional)