Science and Social Science Methods
Field Trip Plans

**Grade Level**: 2nd Grade  
**Science Standards**: 2.1.2 Use tools such as thermometers, magnifiers, rulers or balances, to gain information about objects.

2.4.1 Observe and identify different external features of plants and animals, and describe how these features help them live in different environments.

**Objectives**:

1. Given binoculars, kaleidoscopes, and listening devices to observe animals in flight in the zoo’s tropical rain forest, the students will list at least three observations of the animals in flight on a written observation sheet.

2. The students will list at least two differences between the external features of butterflies, birds, and bats based on the information presented in the Jungle Journeys II presentation.

**Assessment**: The students will draw pictures of what they observe when using the different observation tools. After drawing the new information they observe, the students will list at least three of them (according to the objectives). Beside each observation/drawing, the student needs to indicate with a sticker which tool they used to make the observation. The stickers will be color coordinated (yellow=binoculars, etc.). The students will also draw pictures and list differences between the external structures of butterflies, bats, and birds. They need to include at least two differences, and the information they list needs to coordinate with the presentation given in the Jungle Journey II’s program. The sheets of observations will be turned in and graded based on completion and coordination with the program.

**Visit to Zoo**: I visited the zoo September 4, 2005. I received pamphlets, a zoo map, and an educator’s guide for standards-based field trips. This field trip is based off of the information on page 5 in the booklet for Jungle Journey’s II. The additional information is from the website: [www.zookids.org](http://www.zookids.org).

**Narrative of Field Trip**: **Overview**: Jungle Journeys II: Winged Wonders – Grades preK-2

Students will use binoculars, kaleidoscopes, and listening devices to observe animals in flight in the zoo’s tropical rain forest. They’ll also compare body structures by dressing in bird, bat, and butterfly
costumes. Hands-on activities will focus on the zoo’s extensive collection of biofacts, including eggs and mounted specimens. (www.zookids.org/education/schoolgroups.htm#fieldtrip)

*When: The field trip program of Jungle Journeys II runs on Tuesdays through Fridays from November through mid-April. My field trip will take place in March.

*Cost: The cost is $4.00 for students and chaperones, and teachers get in for free. The minimum fee is $75.00.

*Time: The program lasts for 90 minutes. The students will be gone for 3-3 ½ hours for travel time, program time, and a lunch stop.

*Reasons for Going: The students are going to learn about winged animals and observation. This field trip will give the students new information on different animals and habitats, but the focus is on the students’ observation skills. They will reinforce their observation skills, and learn to use different tools to help them observe.

Activities: The students will explore the Indonesian Rainforest section of the Fort Wayne Children’s Zoo. The zoo Jungle Journey’s program directors will lead the children in a presentation that includes hands-on activities. The students will hear about winged animals such as butterflies, bats, and birds. The presentation includes real animals, stuffed/mounted animals on display, and costumes for dress up. The students will learn to use different observation tools to observe the live and mounted animals. They will be allowed to dress up at the different winged animals to compare and contrast body structures. The students will record their observations on charts. They will draw what they saw and record statements about their observations.
Write three things you observed when using the observation tools. Place a colored sticker next to each sentence you write to show which tool you used to observe for that sentence. Use the remaining space to draw pictures of your observations.

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Write at least 2 differences between the structure of bats, birds, and butterflies here:

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<th>Butterflies</th>
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Assessment Rubric

Observing with Tools: (10 points)  

3 observations written, 3 drawings, and 3 stickers (10 pts)
2 observations written, 2 drawings, and 2 stickers (5 pts)
1 observation written, 1 drawing, and 1 stickers (3 pts)
Blank sheet/not turned in (0 pts)

Structure Comparison: (10 points)  

3 differences written pertaining to the information from the program, with drawings (10pts)
2-3 differences written, not all from the program, with drawings (5 pts)
0-1 differences written, not from the program with drawings (3 pts)
Not completed-no differences, no drawings (0 pts)

Total: __________/20