



Investigation 2.5 – Local and Global Impacts (Field Trip Day 5)

Investigation:

Interview with Dr. Hajo Eicken, in his office at the University of Alaska-Fairbanks.

Objectives:

Upon completion of this activity, students will:

- Use science to understand and describe their local environment.
- Understand that a small change in a portion of the environment may effect the entire environment.
- Apply scientific knowledge of the arctic to understand local and global climate change issues.
- Understand possible consequences of climate change to the environment and for floral and fauna.

Methods:

This session will be a 1 hour long audio conference from 10:00 am to 11:00 am on the 9th of April.

Background (Have available as a transparency, a handout, in student journal or online.)

- Dr. Hajo Eicken's home page at www.gi.alaska.edu/~eicken/index.html.
- What is the Arctic?
- What are the characteristics of the Arctic environment?
- Why Study the Arctic?
- What is climate, climate change and the greenhouse effect?
- Climate change and the Arctic.
- Global Warming
- What are some possible consequences of climate change?

Materials:

Speaker phone.

Procedure:

1) CONFERENCE CALL INSTRUCTIONS:

In the U.S. and Canada:

You will need to call 1-800-315-6338 about 5 minutes prior to the starting time. Enter the code for your teleconference: 272842# (spells ARCTIC on the dial pad).

When a new person joins the call everyone on line will hear a beep.

Problems?

Call the ARCUS office (1-907/474-1600) and we will provide assistance or call the number again to reconnect.

2) Have speaking students ready with their questions. When your school is prompted to ask a question have student speak clearly into the phone. Remember to use the mute button when not speaking.

3) Other student can be taking notes and filling in a field journal entry.

Assessment/Closing Activity:

Have students share notes, impressions or feelings about what they heard during the audioconference. Gauge their level of understanding and answer any other student questions.

Arctic Alive
Audio Conference Activity Sheet

Name: _____

Date: _____

Use this sheet to gather notes and information for your journal and other activities.

Location: _____

Patrick is working with _____

Today the main topic being studied is _____

Use the following space to write down facts, new questions or ideas.

Diagrams/Drawings

Rate today's audioconference: 4 (best) 3 2 1 (worst)

Because _____

