



Investigation 2.4 – Data Analysis (Field Trip Day 4)

Investigation:

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

Objectives:

Upon completion of this activity, students will:

- Understand the structure and behavior of ice.
- Understand how ice core studies are designed and conducted.
- Be introduced to appropriate tools and techniques to gather, analyze, and interpret data.

Methods:

This session will be a 1 hour long audio conference from 10:00 am to 11:00 am on the 8th 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 scientific method?
- Why keep a scientific journal
- What are a few things I should know about Chemistry, Physics and the Science of Light?
- So what does sea ice have to do with climate change? (Ice Core Research)

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. To close the session, brainstorm questions for tomorrow's on "Local Impacts" audioconference and email those to Patrick at lovely@mosquitonet.com so that he can prepare for tomorrow's audio conference.

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 _____

