

Details



Completion Time: Less than a week

Permission: Download, Share, and Remix

Who Are These People?

Overview

This activity is designed to make a connection between a group of scientists and the students.

Objectives

Students will learn that scientists are people too.

Lesson Preparation

The teacher will need to contact a group of scientists to make sure they would like to participate in the project and to explain to them the goals of the project. These goals are to develop a connection between the scientists and the students and to help break the stereotype (often negative) many students have of scientists. Although this assignment is written specifically for teachers going out on a field research experience it could also be used by other teachers who are willing to contact scientists on their own. Many scientists would be more than willing to participate, even when approached cold turkey.

Procedure

The goal of this assignment is for students and scientists to make a connection before the teacher's field research experience. This should provide a richer experience for all involved.

Prior to the teacher deploying for their PolarTREC experience it is beneficial for students and the scientists to make a connection. The teacher should contact the scientists with whom they will be working. Obtain from each researcher an "autobiography". The autobiography should be written at a level appropriate for the teacher's students. Ask them to include information that will inform the students about themselves at both a professional level as well as at a personal level. Also ask them to send pictures, again pictures that show students things about their professional and personal lives.

Materials

- N/A

After these have been obtained, have students read through the autobiographies and select key pieces of information about that person that should be displayed on the classroom wall. Also have them write two questions that they would like to ask each scientist, one about their professional life and one about their personal life. Students should also review the pictures and decide which should be displayed.

Extension

- Students could research more about the specific types of scientists involved.
- Students could ask one of the scientists to “mentor” them on a science fair project.
- A similar project could be done with students researching “historic/famous” scientists and then writing an “autobiography” as if they were the scientists. Students could then share their “autobiographies” with other students and make a bulletin board based on these reports. See the sample bulletin board at the end of this lesson.

Resources

N/A

Assessment

N/A

Credits

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Some of these ideas were based on thoughts and suggestions from other PolarTREC teachers.



National Science Education Standards (N/A)

Content Standards, Grades K-4

Content Standard G: History and Nature of Science

a. Science as a human endeavor

Content Standards, Grades 5-8

Content Standard G: History and Nature of Science

a. Science as a human endeavor

Content Standards, Grades 9-12

Content Standard G: History and Nature of Science

a. Science as a human endeavor

Other Standards:

N/A

Likes making musical instruments
Likes and dislikes horses in the winter season
Likes
Works on and a baseball

LINDA KELLER

Has a degree in astrophysics

Grew up in a small town
Played softball for over 20 years



Dr. Jensen

The Man

People's magazine

Likes to work on his farm

Worked for the Antarctic Weather Station Project

DR. CHARLES STEARNS

Was in jail because during WWII



MATTHEW LAZZARA

Matthew

Likes Pink Floyd and Robert Frost

Likes to hike, camp and water ski



Teaches meteorology at a college

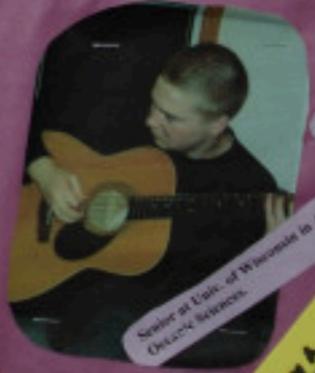


STATIONS

AUTOMATED



WEATHER



Jonas Asuma

Senior at Univ. of Wisconsin in Atmospheric and Oceanic Sciences

Has never been to the ice

Jonas

Loves to play and watch



JONATHAN THOM

Worked more and energy in Greenland

Has a BA degree in Music

Has a dog named Nick



Likes to play volleyball, golf, softball



Plays 1st base



Works on Antarctic weather data

Likes playing basketball and downhill skiing

Tries to determine the amount of snowfall

Likes Madonna, Metallica, and Journey

Has visited Greenland

Likes Gray's Anatomy and Seinfeld and The Daily Show



SHELLEY KNUTH

Has been to The ice twice



Mr. Kitty and Madonna are her cats

Has been at UW for 5 years



Shelley



Loves to play and is now in