

Okla. State Univ.
IRB
Approved 1/21/11
Expires 7/21/11
IRB# ED-10-100-M

INFORMED CONSENT FORM—Teacher Participants

Project Title:

G.E.T. (Geoscience Experiences for Teachers) in the Field

Investigators:

PI: Toni A. Ivey, Ph.D., Assistant Professor, STCL; Co-PIs: Jim Puckette, Ph.D., Associate Professor, GEOL; Julie Thomas, Ph.D., Professor, STCL. Oklahoma State University (OSU).

Purpose:

G.E.T. (Geoscience Experiences for Teachers) in the Field is a professional development program for teachers funded by the National Science Foundation (NSF). The purpose of this study is to obtain critical information about the effectiveness of our program and its effects on teacher content knowledge and pedagogical content knowledge of the geosciences. As such, the NSF requires documentation of your experiences that illustrates what you have gained by being a participant.

Procedures:

G.E.T. in the Field is a unique experience that brings teachers to both laboratory and field settings to experience the geosciences with university faculty. Although we will be traveling to field sites by van, it is important that participants are able to walk for 2-3 miles at a time.

During this summer program, you will be asked to complete questionnaires that assess your beliefs as a science teacher (i.e., the Science Teacher Efficacy Beliefs Instrument) and knowledge of geology (i.e., Geologic Concepts Inventory). We will collect copies of your work during the program including your field journal, concepts maps, and other laboratory work.

As a part of the *G.E.T. in the Field* program, you will develop a curriculum (i.e., science lessons) to implement in your classroom and you are expected to implement it in your classroom. As a part of the application process, you were asked to obtain a letter of support from your school administrator that explained that you would be asked to implement this curriculum in your classroom. You will be asked to submit a reflection on how the implementation of this curriculum went in your classroom.

Risks of Participation:

There are no known risks associated with this project which are greater than those ordinarily encountered in everyday life.

Benefits:

Participants in this research will be benefited by being exposed to authentic geoscience learning experiences. By working in tandem with geoscientists and science educators, they will be assisted in developing curriculum to implement in their classroom that is centered on sound geoscience research and science education practices.

The results of this study will be beneficial to the School of Teaching and Curriculum Leadership, the Boone Pickens School of Geology, and the Geosciences Education community in matters of geoscience teacher professional development and geoscience curriculum development for non-Earth Science classrooms.

Confidentiality:

All data collected from the participants will be kept confidential. The participant work will have all names removed and replaced with a code. Once the code is placed on the participant work, the coding sheet will be destroyed, thus there will be no way to identify any particular piece of data with a particular participant. In reports to be given the National Science Foundation and/or other research publications, all participants will be identified with a code or with a pseudonym to maintain confidentiality.

Your responses to questionnaires and demographic information are confidential. The consent form will be collected and stored separately from course work, response to questionnaires, and demographic information. The data will be

securely stored in a locked file cabinet in Willard 232. The paper copies will be destroyed one year after the completion of the study. Only the researchers will have access to the information that is stored on a computer disk without any identifying information and it will be destroyed five years from completion of the study.

The OSU Investigation Review Board (IRB) has the authority to inspect consent records and data files to assure compliance with approved procedures.

Compensation:

Participants will receive the following compensation for their participation in G.E.T. in the Field:

- a daily stipend of \$100/day during the summer program for a total of \$1000,
- travel expenses (i.e., mileage at the current federal rate) to and from Oklahoma State University,
- housing on the OSU campus during the program,
- meal per diems at current federal rates, and
- a one-time \$200 stipend for implementing their developed curriculum in their classroom and submitting a reflection on lesson implementation and evidence of student achievement from the lesson.

Contacts:

If you have questions about your rights as a research volunteer, you may contact:

If you have questions about your rights as a research volunteer, you may contact: Dr. Shelia Kennison, IRB Chair, 219 Cordell North, Stillwater, OK 74078, 405-744-3377 or irb@okstate.edu; or Dr. Toni Ivey, Ph.D., Assistant Professor, STCL, 232 Willard, Stillwater, OK 74078, 405-744-8005, toni.ivey@okstate.edu.

Participant Rights:

Participation in the current research activity is entirely voluntary. You are free to decline to participate and may stop or withdraw from the activity at any time. There is no penalty for withdrawing your participation.

Signatures:

I have read and fully understand the consent form. I sign it freely and voluntarily. A copy of this form has been given to me.

Name of Participant (Print)

Signature of Participant

Date

I certify that I have personally explained this document before requesting that the participant sign it.

Signature of Researcher

Date

