

Student Consent: Year 4

University of California, Los Angeles

CONSENT TO PARTICIPATE IN RESEARCH

MOBILIZE: Mobilizing for Innovative Computer Science Teaching and Learning

You are asked to participate in a study led by Dr. Robert Gould, Ph.D. and co-PIs from Department of Statistics and the Graduate School of Education & Information Studies, respectively, at the University of California, Los Angeles. You were selected as a possible participant in this study because your teacher has been involved with our project. Your participation in this study is voluntary. Please talk this over with your parent/guardian before you decide to participate. Whether you decide to participate or not participate will not affect your grade or your relationship with your teacher in any way.

Why is this study being done?

This study is a part of National Science Foundation partnership with LAUSD, UCLA's Graduate School of Education & Information Studies and Department of Statistics, the Center for Embedded Networked Sensing (CENS), the Center for Research on Evaluation, Standards, and Student Testing (CRESST), the University of Oregon, and the Computer Science Teachers Association to improve high school math, science and computer science.

What will happen if I take part in this research study?

If you volunteer to participate in this study, you *may* be asked to do some or all of the following:

1. Complete one questionnaire before you and your classmates begin the Mobilize unit, and one questionnaire upon completing it. On the questionnaires, you may be asked questions such as:
 - What did you know about computational thinking before Mobilize?
 - Do you think differently about data after taking the unit?
2. Participate in classroom observations conducted by a member of the Mobilize evaluation team. Observations will be conducted without interrupting your class.
3. Participate in a group focus group/debrief when you've completed the Mobilize unit in your classroom. The debrief will be conducted by a member of the CRESST evaluation team and will take approximately 40 minutes to an hour. The debrief may be audiotaped or videotaped. Information disclosed will be strictly confidential. Once our team is done transcribing the interview, the recorded audio file will be destroyed. The following are sample questions that could be asked during the debrief:
 - What was unique in Mobilize that you haven't learned in other classes?
 - How do you think differently about data after this unit?
 - What does computational thinking mean to you?

As part of the Mobilize unit, you may also participate in data collection activities using smart phone applications focused on themes of snacking and nutrition, media and advertising, and/or any topics that you and your teacher may develop during the course of the unit. You may also use an online analysis tool provided by the project to do your data analysis. For the Snack app, you will take pictures of snacks eaten throughout the day, then answer questions on the phone about when you ate, how healthy the snack was, etc. For the Advertisement app, you will use the

phone to take a photo of ads (e.g., billboards, bus ads, etc.) and answer a series of phone-based survey questions about the products you saw and how the ads made you feel.

How long will we be in the research study?

Participation in the study will take place during implementation of the Mobilize unit in your computer science, mathematics, or science class in 2013-14.

We are requesting that you use a smart phone to collect data for two to four weeks, using phone-based surveys to capture information about your snacking habits and or media advertisements. This time frame and choice of app (Snack or Advertisement) may vary according to instructions provided by your teacher.

Are there any potential risks or discomforts that I can expect from this study?

There are no anticipated risks or discomforts to you as a consequence of participating in this study. You can choose whether or not you want to participate. If you agree to be in this study, you may withdraw your permission at any time and discontinue your participation without penalty or loss of benefits to which you were otherwise entitled. You are not waiving any of your or your legal rights if you choose to be in this study. You may refuse to answer any questions that you do not want to answer and still remain in this study.

The potential risk and discomforts to you in collecting data for the unit using smart phones provided by the Mobilize technology team – or by using your own smart phone - are minimal. Your participation in this study is voluntary. You may refuse to answer any cell phone survey questions that you do not want to answer and still remain in the study. You will also have the option to review and change any of your cell phone responses before saving this information. At any time, you can turn off the study phone to stop data collection or to request deletion of all or some of your data.

To reduce the risk of someone else seeing your study data, we will take measures to ensure the security of that data (e.g., cell phone data) as well as your separately stored contact information. Only your assigned study identifier will be associated to your study data. If you borrow a study-assigned cell phone and it is lost or stolen, we may not be able to replace the cell phone so that you can continue participation in the study. Neither you nor your parents will be held financially liable for a damaged, lost, or stolen phone.

Are there any potential benefits if I participate?

Your participation in this study may allow us to help improve math, science and computer science education in LAUSD. Your participation in collecting data using smart phone technology may also help to improve the effectiveness of our application and to gain critical information regarding system and phone resource needs, availability, performance, and ease of use for future years of the project.

Will information about my participation be kept confidential?

Any information that is obtained in connection with this study and that can identify you will remain confidential. It will be disclosed only with your permission or as required by law. All survey, observation, and focus group data will be labeled with a unique ID number, and your name will not be recorded on any observation or interview forms. Only authorized, key personnel will have access to the data and the codes. After this study is completed, the data might be saved for research by the investigators. However, the same confidentiality guarantees

given here will apply to future storage and use of the materials. In addition, confidentiality will be maintained by reporting only aggregate results (i.e., neither you nor any other individuals will be mentioned in any project reports).

With regard to confidentiality of your information as it relates to smart phone usage, only your assigned random identifier used to log-in to the Mobilize mobile phone application and website will link your study data. A link between your assigned study identifier and your name will be maintained for the duration of the study and then deleted at the end of the study, so your personal information can no longer be associated to the data.

Your personal information will be stored separately from your data in a password-protected computer that is only accessible by the study researchers at CENS. Your cell phone data will be saved only temporarily on the phone and automatically uploaded at regular intervals using a secure and encrypted data channel to a secure server at CENS that only the study researchers can access. At anytime you can request to have all or some of your study data deleted.

What are my rights if I take part in this study?

You can choose whether or not you want to be in this study, and you may withdraw your consent and discontinue participation at any time, and there will be no penalty to you and no loss of benefits to which you were otherwise entitled. You may refuse to answer any questions that you do not want to answer and still remain in the study.

Who can I contact if I have questions about this study?

If you have any questions, comments or concerns about this study, please contact Noelle Griffin, Assistant Director of CRESST at 310-825-8605 or griffin@gseis.ucla.edu

If you have questions about your rights while taking part in this study, or you have concerns or suggestions and you want to talk to someone other than the researchers about the study, please call the UCLA Office of the Human Research Protection Program (OHRPP) at (310) 825-7122 or write to:

UCLA Office of the Human Research Protection Program
11000 Kinross Avenue, Suite 211, Box 951694
Los Angeles, CA 90095-1694

You will be given a copy of this information to keep for your records.

SIGNATURE OF STUDY PARTICIPANT

Name of Student

Signature of Student

Date

SIGNATURE OF PERSON OBTAINING CONSENT

Name of Person Obtaining Consent

Contact Number

Signature of Person Obtaining Consent

Date