

## **STUDENT Consent: Year 5 (2014-15)**

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, Department of Statistics, the Computer Science Teachers Association (CSTA), and the Center for Research on Evaluation, Standards, and Student Testing (CRESST) to improve high school math and 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 2-3 questionnaires that ask 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 team. Observations will be conducted without interrupting your class.
3. Participate in a focus group/debrief conducted by a member of the CRESST evaluation team. The debrief will be audio-taped and may take 40 minutes to an hour. 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?
4. Participate in data collection activities (for approximately 2-4 weeks as part of the Mobilize unit) using smart phone applications focused on themes of snacking, nutrition, trash, 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 Trash app, you will use the phone to take a photo of trash (e.g., water bottles, lunch containers) and answer a series of phone-based survey questions about the trash you threw away and what trash bin you used..

#### **How long will we be in the research study?**

Participation in the study will take place during implementation of the Mobilize unit in your Mathematics, Science, or Introduction to Data Science (IDS) class in 2014-15.

**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 – either by using your own handheld device (e.g., smart phone, iPod Touch) or a web browser – are minimal. Your participation in this study is voluntary. You may refuse to answer any 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 survey responses before saving this information. At any time, you can stop data collection or request deletion of all or some of your data.

**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).

Classroom observations may be videotaped. If you prefer to not be on camera, we will ensure that you will not be filmed. Photographs may be taken of your classroom during any of the activities described above. By signing this form, you agree to possible use of your photo in Mobilize project materials (e.g., website, brochures, presentations).

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 to authorized study researchers. 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 the UCLA Center for Embedded

Networked Sensing (CENS) accessible only to authorized Mobilize personnel. At any time 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?**

**Questions about the Mobilize project:** LeeAnn Trusela, Mobilize Project Director at 310-825-3319 or [trusela@gseis.ucla.edu](mailto:trusela@gseis.ucla.edu)

**Questions about evaluation:** Noelle Griffin, Assistant Director of CRESST at 310-825-8605 or [griffin@gseis.ucla.edu](mailto:griffin@gseis.ucla.edu)

**Questions about research:** Thomas Philip, Director of Research at 310-206-7560 or [tmp@ucla.edu](mailto:tmp@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**

\_\_\_\_\_  
LeeAnn Trusela, Mobilize Project Director

\_\_\_\_\_  
310-825-3319

\_\_\_\_\_  
Name of Person Obtaining Consent

\_\_\_\_\_  
Contact Number

\_\_\_\_\_  
Signature of Person Obtaining Consent

\_\_\_\_\_  
Date