

Permission to Take Part in a Human Research Study

Title of research study: oDREAMS: Promoting Computational Thinking through Game & Simulation Design

Investigator: Alex Repenning

Why am I being invited to take part in a research study?

We invite you to take part in a research study because you are an instructor who is interested in implementing the Scalable Game Design with your students.

What should I know about a research study?

- Someone will explain this research study to you.
- Whether or not you take part is up to you.
- You can choose not to take part.
- You can agree to take part and later change your mind.
- Your decision will not be held against you.
- You can ask all the questions you want before you decide.

Who can I talk to?

If you have questions, concerns, or complaints, or think the research has hurt you, talk to the research team at: University of Colorado Boulder, Department of Computer Science, 430 UCB, Boulder, CO 80309. Dr. Repenning can also be reached at (303) 492-1349 or alexander.repenning@colorado.edu

This research has been reviewed and approved by an Institutional Review Board (“IRB”). You may talk to them at (303) 735-3702 or irbadmin@colorado.edu if:

- Your questions, concerns, or complaints are not being answered by the research team.
- You cannot reach the research team.
- You want to talk to someone besides the research team.
- You have questions about your rights as a research subject.
- You want to get information or provide input about this research.

Why is this research being done?

The overarching goal of oDREAMS is to develop a Computational Thinking (CT) empowered 21st century workforce. oDREAMS will focus on how face-to-face, online and blended PD models for teaching computing, informed by learning theory, support classroom teaching and student learning outcomes in various school contexts.

We expect participating teachers will implement their initial unit of the Scalable Game Design (SGD) curriculum with their students. Depending on the class and teacher choices for adaptation, the duration of this initial SGD unit will be 1-8 weeks.

How long will the research last?

We expect that you will be in this research study for six months, until the end of the fall semester in December 2017.

How many people will be studied?

Over the course of the oDREAMS study we expect to involve up to 300 teachers and 18,000 students across multiple school sites and educational organizations in the United States.

What happens if I say yes, I want to be in this research?

If you decide to participate in the research component of oDREAMS, you will be asked to complete an online survey in response to your participation in the summer institute, complete lesson logs that document your adaptation of the SGD unit(s), and administer online surveys to your students. Some teachers will be asked if members of the project team can observe your classroom practices.

Participation will take place at the training site during the summer and the computer lab or classroom of your school during the fall and/or spring semester.

What happens if I do not want to be in this research?

You can leave the research at any time and it will not be held against you. You have the right to refuse to answer any survey question(s), participate in classroom observations, or any related procedure for any reason. Refusing to participate in this study will not result in any penalty or loss of benefits to which you are otherwise entitled. However, if you are a new teacher to the project and decline to participate in the research portion of the study, you will not receive the \$200 research stipend. Likewise, if you are a past participant and decline to participate you may no longer have free access to the software.

What happens if I say yes, but I change my mind later?

You can leave the research at any time it will not be held against you. If you decide to leave the research without completing the data collection, you will not receive the \$200 research stipend. If you decide to leave the research, contact the Alex Repenning (alexander.repenning@colorado.edu; 303-492-1349) so that he can inform the oDREAMS project team.

Will being in this study help me any way?

The benefits of being in this study are learning about principles for game design, simulation design and connections to computer programming.

What happens to the information collected for the research?

Efforts will be made to limit the use and disclosure of your personal information, including research study records, to people who have a need to review this information. We cannot promise complete secrecy. Organizations that may inspect and copy your information include the IRB, other representatives of this organization, and organizations involved with the evaluation of oDREAMS. Any student data shared with these other institutions will have codes in place of student or teacher names to protect student and teacher confidentiality.

What else do I need to know?

This research is being funded by the National Science Foundation. If you agree to take part in the research portion of this study, and are new to the research project, you can receive \$200 in participation stipend upon completion of the data collection, in addition to attending the summer institute for free and free access to software.

Teachers who are already part of the project (past participation) and want to be research participants in 2016-17 school year can attend the summer institute for free (if they have not yet used AgentCubes) and have free access to software in exchange for participating in research.

Publications resulting from this study (academic articles, reports) can be made available to participants upon request.

Your signature documents your permission to take part in this research.

Signature of subject

Date

Printed name of subject