

STUDENT INFORMED CONSENT FORM

Title of the Study: Investigating student learning and sense-making from calculus video lessons

Principal Investigator: Aaron Weinberg, PhD, Ithaca College

Co-investigator: Matthew Thomas, PhD, Ithaca College; Jason Martin, PhD, University of Central Arkansas; Michael Tallman, PhD, Oklahoma State University

Study Sponsor/Funding Agency: National Science Foundation

Invitation to Participate in a Research Study

You are invited to participate in a research study. In order to participate, you must be at least 18 years old. Taking part in this research study is voluntary. You are not required to participate in this study. You may stop or withdraw your participation from this study at any time.

Important Information about this Research Study

Purpose of the study: The goals of this study are to expand our understanding of how students use, make sense of, and learn from calculus video lessons; and to investigate ways to help students learn from video lessons.

As part of your regular class activities, you will be asked to watch several short calculus video lessons and answer several short follow-up questions; every student in your class (regardless of whether you participate in the research study) will be asked to watch them. The videos and questions will be hosted on a web site that is able to track when you start, stop, pause, and “rewind” each video. If you consent, we will be able to use this video-watching data and your responses to the questions as part of our research data.

The total time commitment for participation is approximately 20 minutes per video set.

Risks and discomforts associated with this research: There are minimal risks involved in this study.

Direct benefits to the participants: There are no direct benefits from participation.

Please read this entire form and ask questions before deciding whether you would like to participate in this research study.

1. Purpose of the Study

The results of this study will be used to improve math videos and help students learn calculus more effectively.

2. Benefits of the Study

The results of this study will be used to improve math videos and help students learn calculus more effectively.

3. What You Will Be Asked to Do

As part of your regular class activities, every student (regardless of whether you participate in the research study) will watch several short calculus video lessons and answer several short follow-up questions. The videos and questions will be hosted on a web site that is able to track when you start, stop, pause, and “rewind” each video. If you consent, we will be able to use this video-watching data and your responses to the questions as part of our research data. In order to participate, you must be at least 18 years old. Each video set should take approximately 20 minutes to complete.

4. Withdrawal from the Study

You are free to withdraw at any time without penalty, and to omit answers on questions that you feel uncomfortable answering. If you choose to participate, you can withdraw from the study at any time without penalty. You can do this by emailing any of the researchers or by following the instructions on the consent page. If you chose to withdraw, none of your data will be included in the study.

5. Risks

There are minimal risks involved in this study.

6. How the Data will be Maintained in Confidence

All student names or other identifying features will be removed from data. Data may be stored on a password-protected Amazon S3 server; only the research team will have access to this server. Data will be kept for a minimum of 3 years on a password-protected computer.

7. Use of information beyond this study

Identifying information may be removed and this de-identified information used for future research without additional informed consent from the participant.

8. Compensation for Injury

If you suffer an injury that requires any treatment or hospitalization as a direct result of this study, the cost for such care will be charged to you. If you have insurance, you may bill your insurance company. You will be responsible to pay all costs not covered by your insurance. Ithaca College will not pay for any care, lost wages, or provide other financial compensation.

9. If You Would Like More Information about the Study

If you would like any additional information, you may contact the following members of the research team: Aaron Weinberg at aweinberg@ithaca.edu, Matt Thomas at

mthomas7@ithaca.edu, Michael Tallman at michael.tallman@okstate.edu, or Jason Martin at jasonm@uca.edu.

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I have read the above and I understand its contents. I agree to participate in the study. I acknowledge that I am 18 years of age or older.

By clicking the consent button on the ximera website, I consent to participate in the study.