

Academic Affairs  
Office of Academic Research • Institutional Review Board

June 13, 2013

Ms. Michele Conley  
c/o: Prof. Eun-Ok Baek  
Department of Science, Math and Technology Education  
California State University, San Bernardino  
5500 University Parkway  
San Bernardino, California 92407

CSUSB  
INSTITUTIONAL  
REVIEW BOARD  
Expedited Review  
IRB# 12075  
Status  
APPROVED

Dear Ms. Conley:

Your application to use human subjects, titled "Utilizing Technology to Enhance Reading Comprehension within Mathematical Word Problems" has been reviewed and approved by the Institutional Review Board (IRB). The attached informed consent document has been stamped and signed by the IRB chairperson. All subsequent copies used must be this officially approved version. A change in your informed consent (no matter how minor the change) requires resubmission of your protocol as amended. **Your application is approved for one year from June 13, 2013 through June 12, 2014 . One month prior to the approval end date you need to file for a renewal if you have not completed your research. See additional requirements (Items 1 – 4) of your approval below.**

Your responsibilities as the researcher/investigator reporting to the IRB Committee include the following 4 requirements as mandated by the Code of Federal Regulations 45 CFR 46 listed below. Please note that the protocol change form and renewal form are located on the IRB website under the forms menu. Failure to notify the IRB of the above may result in disciplinary action. You are required to keep copies of the informed consent forms and data for at least three years.

- 1) **Submit a protocol change form if any changes (no matter how minor) are made in your research prospectus/protocol for review and approval of the IRB before implemented in your research.**
- 2) **If any unanticipated/adverse events are experienced by subjects during your research,**
- 3) **Too renew your protocol one month prior to the protocols end date,**
- 4) **When your project has ended by emailing the IRB Coordinator/Compliance Analyst.**

The CSUSB IRB has not evaluated your proposal for scientific merit, except to weigh the risk to the human participants and the aspects of the proposal related to potential risk and benefit. This approval notice does not replace any departmental or additional approvals which may be required.

If you have any questions regarding the IRB decision, please contact Michael Gillespie, IRB Compliance Coordinator. Mr. Michael Gillespie can be reached by phone at (909) 537-7588, by fax at (909) 537-7028, or by email at [mgillesp@csusb.edu](mailto:mgillesp@csusb.edu). Please include your application approval identification number (listed at the top) in all correspondence.

Best of luck with your research.

Sincerely,

  
Sharon Ward, Ph.D., Chair  
Institutional Review Board

SW/mg

cc: Prof. Eun-Ok Baek, Department of Science, Math and Technology Education

College of Education  
Science, Mathematics and Technology Education

## INFORMED CONSENT

The study in which you are being asked to participate is designed to investigate the use of technology to improve reading comprehension in mathematical word problems. This study is being conducted by Michele Conley under the supervision of Prof. Eun-Ok Baek, Professor of Instructional Technology Program in Education, California State University, San Bernardino. This study has been approved by the Institutional Review Board, California State University, San Bernardino.

**PURPOSE:** The purpose of the project is to create a website that will assist students who are both proficient and non-proficient in math and reading comprehension obtain the skills necessary to become more successful in solving word problems. The main emphasis for this project will be analyzing mathematical word problems. The website created will serve as a reference tool for educators and an interactive tutorial for students.

**DESCRIPTION:** You will be asked to complete an eleven question needs assessment survey regarding mathematics and technology to begin the study. Once this is complete, a website will be created that incorporates information obtained through the needs assessment survey. You will then be given the URL of the website to review. After reviewing the website, you will be given an eleven question website evaluation survey. Once this survey is complete, an 10-15 minute follow up interview will take place.

**PARTICIPATION:** Participation in this study is voluntary. You may refuse to participate or not answer any of the questions. You may discontinue participation at any time. Participation in this study will consist completion of two 11 question hard copy surveys and one interview that will last approximately 10-15 minutes. The first survey is a needs assessment survey that will be given at the beginning of the study, and the second is a website evaluation survey that will be administered approximately 2 weeks after completing the initial survey. The total time needed to complete both surveys should be no more than 15 minutes. Once both hard copy surveys are completed and returned, an interview will be scheduled. The interview will take place at Morris Elementary School in the Rialto Unified School District in room B-4 and should last approximately 10-15 minutes.

CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO

INSTITUTIONAL REVIEW BOARD COMMITTEE

APPROVED 06/13/13 VOID AFTER 06/12/14

IRB# 12075 CHAIR Sharon Ward, Ph.D.

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