INFORMED CONSENT FORM for RESEARCH

Scientific Misconceptions: Cognitive origins and Educational Treatment

You are invited to participate in a research study. The purpose is to investigate student understanding of physics and engineering and the cognitive mechanisms that effect student understanding. The intent is to gain insight into student learning and improve the effectiveness of course instruction. Your performance on the tasks will be used only in a statistical manner, with your identity kept confidential. Your participation may help improve instruction in the future, and we appreciate your willingness to contribute to course improvement.

An Institutional Review Board responsible for human subjects research at The Ohio State University reviewed this research project and found it to be acceptable, according to applicable state and federal regulations and University policies designed to protect the rights and welfare of participants in research.

INFORMATION
If you agree to participate in this study, we will collect data from this assignment and we may also include data from your performance in physics courses, including course grades, scores and possibly copies of full answers on assignments and tests. Please remember that your decision to participate will not affect your course grade.

RISKS and BENEFITS
There is minimal to non-existent risk to participating. Besides generally improving course instruction for all students, the benefits are that you may gain some insight into your own understanding of physics and engineering concepts and you may learn some new concepts as well. Long term, this study is aimed at improving student learning in this course.

CONFIDENTIALITY
The information in the study records will be kept strictly confidential. Once your data have been collected, they will be reformatted so with only numerical identifiers. A master list will be kept in a separate secure location and used only if it is necessary to correlate test scores with related information, such as grade in class. No reference will be made in oral or written reports which could link you to the study. However, personal information regarding your participation in this study may be disclosed if required by state law. The project investigators will have access to the data for research purposes. The OSU office of Responsible Research Practices will also have access to the research data and results.

If you have concerns or questions about this study, please contact Dr. Andrew Heckler, 1002 PRB, 191 Woodruff Ave., Columbus, OH, (614 688-3048, heckler.6@osu.edu. If you have any questions regarding your role and rights as a study participant, or would like to register a complaint about this research study, you may contact, anonymously if you wish, Sandra Meadows in the Office of Responsible Research Practices (ORRP), by phone at (614)-688-4792 or 1-800-678-6251, by fax at (614)-688-0366, or regular mail at ORRP, Ohio State University, 300 Research Administration Building, 1960 Kenny Road, Columbus, OH 43210, USA.

PARTICIPATION
Your participation to include your data in this study is voluntary; you may decline to participate without penalty. If you decide to participate, you may withdraw from the study at any time without penalty. If you withdraw from the study your data will be destroyed at your request.

CONSENT
“I have read the above information. I am 18 years of age or older. I agree to participate in this study with the understanding that it will not affect my course grade, and I may withdraw at any time.”

___ I consent to participate in the study.

___ I do not consent to participating in the study. (Please note: If you choose this option, you are still required to complete all course assignments. However, your response data will not be used for education research.)