

University of Hawai'i

Parental/Guardian's Consent for Child to Participate in Research Project:

Problem-Based Learning for Healthy Hearts

My name is Nan Ketpura-Ching. I am your child's Anatomy and Physiology teacher at Punahou School. I also am a graduate student at the University of Hawai'i at Mānoa, in the Department of Educational Technology. One requirement for earning my Master's degree is to do a research project. The purpose of my research project is to evaluate the effectiveness of problem-based learning in helping high school students learn factual knowledge about the cardiovascular system. I am asking your permission for your child to participate in this project.

Activities & Time Commitment: If your child participates in this project, here is what he/she and I will do and how long it will take:

First, I will give your child a pre-unit survey to assess what your child already knows about the cardiovascular system, problem-based learning, and collaborative learning.

Next, I will observe your child for 7 consecutive classes (90 minutes each) for the month of November 2012 as we cover the concepts of the cardiovascular system. The materials covered will be very similar to that of other Anatomy and Physiology courses taught at Punahou School in recent years. The only difference is instead of learning factual knowledge through lectures, students will be working in teams to gather necessary information.

During these observations, I will collect classroom observations and your child's written assignments as data on collaboration, problem-solving, and critical-thinking.

At the end of the unit, your child will take a unit test on the Cardiovascular System. Your child's score and his/her written answers will be collected as data. I will also give your child a post-unit survey to assess attitudes and reflections on the unit.

Risks and Benefits: I believe there is little risk to your child in participating in this project. However, if your child becomes uncomfortable being a research participant for any reason, they can withdraw their participation at any time. If your child decides to not participate from the beginning of this project, as a member of my classroom, they will be expected to participate in the classroom activities and assignments along with all the other students. I will simply not collect any data from your child.

There may be no benefit to your child if they participate in my research study. It is my hope that your child will benefit from their problem-based learning experience by learning a different way to learn. I also hope that this research study will contribute to research findings and help teachers and students, in the future, use problem-based learning as a tool for student-centered instruction.

Voluntary Participation: Participation in this research project is voluntary. Your child (and you) can choose freely to participate or not to participate. In addition, at any point during this project, you can withdraw your permission, and your child can stop participating without any penalty of loss of benefits. I recognize that I am the researcher in this project and, at the same time, your child's teacher. Thus, I will ensure that your child's participation or non-participation in my research project does not impact his/her grades, or our teacher-to-student relationship at Punahou School.

Confidentiality and Privacy: When I report findings from this project in my master's paper and at an online conference in April 2013, I will take steps to ensure you, and your child's privacy and confidentiality. I will not use your child's real name or other personally identifiable information in any report. Instead I will use a pseudonym/fake name. During this project, I will keep data that I collect in a secure location. Only my advisor and I will have access to research records, although legally authorized agencies, including the University of Hawai'i Human Studies Program, have the right to review research records. If you would like a copy of my final report, please contact me at the e-mail address or phone number listed below.

Questions: If you have any questions about this project, please contact me, Nan Ketpura-Ching, via phone (808) 396-5042 or e-mail (nketpura-ching@punahou.edu). You can also contact my advisor at the University of Hawaii, Dr. Peter Leong, at (808) 956-3902 or via e-mail at peterleo@hawaii.edu. If you have any questions about your rights, or the rights of your child as a research participant, you can contact the University of Hawai'i, Human Studies Program, by phone at (808) 956-5007 or by e-mail at uhirb@hawaii.edu.

Please keep this portion of this consent form for your records.

If you consent for your child to participate in this project, please sign the signature portion of the consent form on the next page and return it to me.

Signature(s) for Consent:

I give permission for my child to participate in the research project entitled, *Problem-Based Learning for Healthy Hearts*. I understand that, in order to participate in this project, my child must also agree to participate. I understand that my child and/or I can change our minds about participation, at any time, by notifying the researcher of our decision to end participation in this project.

Name of Child (Print): _____

Name of Parent/Guardian (Print): _____

Parent/Guardian's Signature: _____

Date: _____