To: Elliot Soloway

From: Richard Redman

Cc: Joseph Krajcik
  Elliot Soloway

Subject: Notice of Exemption for [HUM00053388]

SUBMISSION INFORMATION:
Title: PSims for Scientific Thinking
Full Study Title (if applicable): Using Smartphone-based Participatory Simulations to Engage Children in Scientific Thinking
Study eResearch ID: HUM00053388
Date of this Notification from IRB: 8/8/2011
Date of IRB Exempt Determination: 8/8/2011
UM Federalwide Assurance: FWA00004969 expiring on 11/17/2011
OHRP IRB Registration Number(s): IRB00000246

IRB EXEMPTION STATUS:
The IRB HSBS has reviewed the study referenced above and determined that, as currently described, it is exempt from ongoing IRB review, per the following federal exemption category:

EXEMPTION #1 of the 45 CFR 46.101.(b):
Research conducted in established or commonly accepted educational settings, involving normal educational practices, such as (i) research on regular and special education instructional strategies, or (ii) research on the effectiveness of or the comparison among instructional techniques, curricula, or classroom management methods.

Note that the study is considered exempt as long as any changes to the use of human subjects (including their data) remain within the scope of the exemption category above. Any proposed changes that may exceed the scope of this category, or the approval conditions of any other non-IRB reviewing committees, must be submitted as an amendment through eResearch.

Although an exemption determination eliminates the need for ongoing IRB review and approval, you still
have an obligation to understand and abide by generally accepted principles of responsible and ethical conduct of research. Examples of these principles can be found in the Belmont Report as well as in guidance from professional societies and scientific organizations.

**SUBMITTING AMENDMENTS VIA eRESEARCH:**
You can access the online forms for amendments in the eResearch workspace for this exempt study, referenced above.

**ACCESSING EXEMPT STUDIES IN eRESEARCH:**
Click the "Exempt and Not Regulated" tab in your eResearch home workspace to access this exempt study.

Richard Redman  
Chair, IRB HSBS