Members Present: Barb Barnet (chair), Chen, Dreessen, Roberts (ex officio), Riedle, Mendis, Scaife, Short, and Yang

Visitors: Arlene Strikwerda and Debi Kramer

Meeting called to order at 4:00 p.m.

This was a full board meeting of the IRB, called to consider the proposals submitted by Arlene Strikwerda (Protocol #2012-13-32) and Debi Kramer (Protocol #2012-13-33).

After self-introduction of the board members project #2012-13-32 was summarized by the investigator (Strikwerda). This was followed by the questions the members had about the protocol.

These additional revisions were requested:
   a. Clearly indicate the name of the school
   b. A better definition of the students the investigator is planning to work with
   c. Inclusion of a consent form
   d. Changes to the procedure in the following manner
      a. Need to randomly assign participants who are previously matched by sex and skills
      b. A statement indicating the usefulness of cognitive mapping for the experiment

A motion to approve the protocol, conditional on submission of the requested changes to the IRB chair, was made by Riedle and seconded by Short. The vote included 8 to approve, 0 abstentions, and 0 to not approve.

After a short introduction of the board members, Protocol #2012-13-33 was summarized by the investigator (Kramer). This was followed by the questions the members had about the protocol.

These additional revisions were requested:
   a. Change the duration from 4 weeks to 8 weeks
   b. To modify the risks associated with the protocol
   c. Inclusion of a parental consent as well as a student assent forms
   d. Inclusion of additional material (pre and post exams, progress charts etc.) to clearly explain the experiment

A motion to approve the protocol, conditional on submission of the requested changes to the IRB chair, was made by Scaife and seconded by Chen. The vote included 8 to approve, 0 abstentions, and 0 to not approve.

Respectfully submitted by
Chanaka Mendis