DATE of SUBMISSION: November 3, 2011

Address each section - do not leave any section blank.

I. INVESTIGATOR:

Name: Henry MSSE Jones
Home or School Mailing Address: 2566 Oak Street, Bozeman, MT 59718
Telephone Number: 406-555-1111
E-Mail Address: mssejones@gmail.com
DATE TRAINING COMPLETED: March 8, 2011 [Required training: CITI training; see website for link]

Investigator Signature ___ Henry MSSE Jones

Name of Project Advisor: John Graves
E-Mail Address of Project Advisor: graves@montana.edu

II. TITLE OF RESEARCH PROJECT: The Effects of Incorporating Technology into Science Instruction at the 7th Grade Level

III. BRIEF DESCRIPTION OF RESEARCH METHODS (If using a survey/questionnaire, provide a copy). I will be incorporating technology into teaching practices and assessing whether or not the new technology encourages independent learning, content mastery, and increased interactions with peers, parents, and teachers. Please see attached for copies of data collection instruments.

IV. RISKS AND INCONVENIENCES TO SUBJECTS:

V. SUBJECTS:

A. Expected numbers of subjects: 62

B. Will research involve minors (age <18 years)? Yes No
   (If 'Yes', please specify and justify.) This will be in a classroom setting - 7th Grade middle Schoolers and they are between the ages of 12 and 13yrs.

C. Will research involve prisoners? Yes No

D. Will research involve any specific ethnic, racial, religious, etc. groups of people?
   (If 'Yes', please specify and justify.) Yes No

VI. FOR RESEARCH INVOLVING SURVEYS OR QUESTIONNAIRES:
A. Is information being collected about:
   Sexual behavior? Yes No
   Criminal behavior? Yes No
   Alcohol or substance abuse? Yes No
   Matters affecting employment? Yes No
   Matters relating to civil litigation? Yes No

B. Will the information obtained be completely anonymous, with no identifying information linked to the responding subjects? Yes No

C. If identifying information will be linked to the responding subjects, how will the subjects be identified? (Please circle or bold your answers)
   By name Yes No
   By code Yes No
   By other identifying information Yes No

D. Does this survey utilize a standardized and/or validated survey tool/questionnaire? Yes No

VII. FOR RESEARCH BEING CONDUCTED IN A CLASSROOM SETTING INVOLVING NORMAL EDUCATIONAL PRACTICES:

A. This research project must be approved by your Principal or School Administrator, unless there are circumstances or policies that do not make this possible. Please provide a copy of this approval. If such approval is not possible, please explain.

B. Participation of your students in research must be voluntary and can never affect their rights. Please make this issue clear on all of your research surveys (use introductory text, see below) and/or interviews (use introductory verbal statement, see below). The following wording or something similar can be used for the introductory text or statement: Participation in this research is voluntary and participation or non-participation will not affect a student's grades or class standing in any way.

C. Extra credit should not be used to encourage participation. If you absolutely need to use extra credit, then an alternative activity involving the same amount of time and effort must be provided for those who choose not to participate. This must be clearly described in your IRB application.

E. Depending on your school policies, consent forms may or may not be required for your research. Please indicate whether you will be using consent forms or not. If you are not using consent forms, please justify (e.g., school policy, etc.). If you do use consent forms, you must include signature lines for parental consent AND student assent. (Please use accepted format from our website and provide a stand-alone copy. Do not include form here.) I am sending as a separate attachment both forms: Exemption form and Administrator Sign off form.
Exemption Regarding Informed Consent

I, Kellie Bohn, Principal of Brookwood Middle School, verify that the classroom research conducted by Karyn Kretschmer is in accordance with established or commonly accepted educational settings involving normal educational practices. To maintain the established culture of our school and not cause disruption to our school climate, I have granted an exemption to Karyn Kretschmer regarding informed consent.

__________________________
(Signed Name)

__________________________
(Printed Name)

Oct. 20, 2011
(Date)
Pre-Treatment Questionnaire

Participation in this research is voluntary and participation or non-participation will not affect a student’s grades or class standing in any way.

1. How often do you spend time outside of school looking up information or reading about information related to your science lessons?

Never 1  Hardly Ever 2  Sometimes 3  Often 4  All the Time 5

2. How often do you talk to your parents or ask your parents questions about information related to your science lessons?

Never 1  Hardly Ever 2  Sometimes 3  Often 4  All the Time 5

3. How often do your parents ask you questions or approach you about science related homework or information related to your science classes?

Never 1  Hardly Ever 2  Sometimes 3  Often 4  All the Time 5

4. How often do you do extra work related to studying for or preparing for quizzes and tests?

Never 1  Hardly Ever 2  Sometimes 3  Often 4  All the Time 5

5. How often do you contact your friends outside of class to ask questions about your science homework or for assistance from them in any way related to your science homework?

Never 1  Hardly Ever 2  Sometimes 3  Often 4  All the Time 5

6. How often do you use the Bozeman Middle School Mr. Jones’s Web Pages to review material we have covered in class, or to watch animations or simulations related to class?

Never 1  Hardly Ever 2

Student Attitudes And Experiences with Learning Science
Start of 7th grade

Directions: The statements in this survey have to do with your opinions and beliefs about science instruction in school and the importance of science in your life. Please read each statement carefully, and circle the number that best expresses your own feeling.
TECHNOLOGY USE REFLECTION

Participation in this research is voluntary and participation or non-participation will not affect a student’s grades or class standing in any way.

Please write a few things that made it beneficial to learn using tools of technology at home or in school. Also, please note any difficulties you encountered.

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<tr>
<th>Which technological tools did you use in the Following three units?</th>
<th>home</th>
<th>school</th>
<th>Benefits of use</th>
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a. Please write two or more examples of something you learned while using technology (that may have been difficult understanding without it).

b. Is there anything that you think that I could do, or could have done differently to improve your learning experience?

c. Is there anything that you think that YOU could do, or could have done differently to improve your learning experience?