***Purpose of experiment***

Exploratory research on the usability of a curriculum mapping prototype for Monarch Academy.

***Website***

Expedition Mapper http://deploy.expeditionmapper.com

***Recruitment***

8-10 teachers at Monarch Academy

***Expedition Mapper Usability Test Script***

Thank you so much for coming in today. My name is Ian. I am a student at the University of Baltimore. I have been working closely with teachers and administrators from Monarch Academy for the past few months to develop a curriculum mapping application for Expeditionary Learning. I wanted tell you a little bit about what you will be doing today answer any questions you have before we get started. For this session, I will be asking you to do a few things using a curriculum mapping prototype. The prototype is designed to provide a user friendly experience for teachers who would be using it to record details of their expeditions each semester. The prototype provides both data entry functionality as well as basic search and retrieval features. Some features will not work fully at this point in time. The data entry section of the application provides sections for expeditions as well as non-expedition units or strands, however for the purpose of this test today, only the Fall Expedition section will be used.

I want to find out if it’s easy or difficult for people to use the prototype to enter information about expeditions as well as to find the information they need. If something doesn’t work or seems difficult, it is most definitely an application design fault, not yours. That means there’s no such thing as a wrong answer. By doing this you are really helping me understand what works and doesn’t work well with the system. Nothing you say about this prototype will hurt my feelings. I want to know what you really think. If you have any questions while you are working, please tell me. I may not be able to help, but it will help me a lot to know what questions you have.

We will be here together for about 20-30 minutes.

Do you want to ask any questions before we start?   
Thanks again for coming in today, I really appreciate your help.   
We are going to start by setting up the equipment.

[CONFIRM TOBII PROJECTIS SETUP]

<http://prototypes.expeditionmapper.com/usabilitytesting>

Now we’re going to need you not to move around a whole lot, because of the camera.

[CALIBRATE, LEAVE ROOM]

[THROUGH THE SPEAKER]

Can you hear me? Great. Let’s get started.

[BEGIN TEST] (No more than 5 minutes per task)

[TEST OPENS TO WHITE SCREEN]

1. Locate the fall expedition’s Big Ideas for Science. Add a new Big Idea under ‘Constancy and Change’ called ‘Forces of Nature continuously change the earth’ and add a rationale for this.

[SPACEBAR TO ADVANCE TO TEST PAGE]

*Participant performs task, when complete -*

[F9 TO WHITE SCREEN FOR NEW PROMPT]

2. You want to know if lecturer Richard Quinn has been assigned as an expert under the Fall expedition’s Ancient Greece case study. Use the system to navigate to service learning and confirm if Richard has been added. If he has not, add a record for him.

[SPACEBAR TO ADVANCE TO TEST PAGE]

*Participant performs task, when complete -*

[F9 TO WHITE SCREEN FOR NEW PROMPT]

3. Non-Profit Organizations are no longer included as service learning. Locate Non-Profit Organizations inside the Fall Expedition’s Ancient Civilization Case Study and delete it.

[SPACEBAR TO ADVANCE TO TEST PAGE]

*Participant performs task, when complete -*

[F9 TO WHITE SCREEN FOR NEW PROMPT]

4. You realize that the final product for Ancient Civilizations fall Expedition is missing a reference link to ushistory.gov. Locate the final product description and add a hyperlink to ushistory.gov.

[SPACEBAR TO ADVANCE TO TEST PAGE]

*Participant performs task, when complete -*

[F9 TO WHITE SCREEN FOR NEW PROMPT]

5. You need to plan for a new expedition on community. You heard one of the third grade teachers mention they taught an expedition on community this year. Try to locate this expedition on the system.

[SPACEBAR TO ADVANCE TO TEST PAGE]

*Participant performs task, when complete -*

[F9 TO WHITE SCREEN FOR NEW PROMPT]

6. Your team leader has requested a list of all items in the system that includes Mathematics Common Core 2.OA.C3 and 2.OA.C4. Retrieve a list from the system that matches these common core standards.

[F9 TO WHITE SCREEN FOR ANY QUESTIONS] [F9 TO END THE TEST]

7. The Ancient Greece Case Study under the Fall Expedition is missing information under the STA grid. Fill out some Standards, Targets and Assessments for this Case Study.

[F9 TO WHITE SCREEN FOR ANY QUESTIONS] [F9 TO END THE TEST]

8. Add a new expedition for the spring and one case study. The expedition can be based on previous expeditions taught in your class or based on future anticipated expeditions.

**Informed Consent**

Thank you for taking part in a study to evaluate the use of curriculum mapping online. The results of this study will be used only for the purpose of improving the application for Monarch Academy and to contribute to a doctoral dissertation.

The facilitator will walk you through a series of tasks, take notes and answer questions if possible. There are no right or wrong answers in this session. We are looking to evaluate the product only, and ensure that its design meets your needs. This session will be recorded.

These tests pose no known physical or psychological risks and have no harmful effects. If at any time during the test session you decide that you no longer wish to participate in this study, you may withdraw from participation at any time, for any reason, and without penalty.

If you have questions about this test, you may contact the following individual: Dr. Kathryn Summers [ksummers@ubalt.edu](mailto:ksummers@ubalt.edu) 410.837.6202

Thank you for your participation.

I, , consent to participating in a usability test activity at the

University of Baltimore, and permit Ian Carnaghan to record me and document my answers to question presented in the session.

I also permit the Ian Carnaghan to video tape the session. I understand that the video of this session will be used primarily for research purposes but may be included in future publications. I further understand that at no point in time will my name be associated with a video of my test session.

*Print Name Signature*

**Demographic Survey**

**Name**

Gender: Male Female Current Grade Level \_\_\_\_\_\_\_ # Years Teaching \_\_\_\_\_\_

Age Range: 18-29 30-39 40-49 50-59 60+

What is your comfort level in using Web Applications? (e.g. Safari Montage)

(Least Comfortable) 1 2 3 4 5 (Most Comfortable)

How likely are you to use Web Applications in your day to day teaching?

(Less Likely) 1 2 3 4 5 (Most Likely)

How often do you use a mobile device (iPhone, iPad, Android phone, Kindle, etc.) to access Web Applications?

(Not Often) 1 2 3 4 5 (Very Often)

How familiar are you with curriculum mapping?

(Not Familiar) 1 2 3 4 5 (Very Familiar)