**Evaluation Plan**

**Introduction**

The new students of Fayette County are digital natives, and require a different approach to teaching. These natives “are born into a world of digital communication technologies and are accustomed to technological devices, such as computers, Internet, cell phones, iPods, MP3 players, and electronic gaming devices, as an integral part of their daily lives” (Liu, 2). According to Guthrie and Carlin (2004) “theories relating to learning suggest that modern students are primarily active learners, and that lecture/fact memorization courses may be increasingly out of touch with how our students are learning to engage their world” (1).

The Fayette County School System is embracing the idea that the mode of learning is changing rapidly in this digital age. In order to keep up with the demands of these digital natives the system has outfitted all of its elementary school classrooms with MOBIs©, projectors, screens, and microphones. These tools will help meet the Georgia vision of all Georgia schools being outfitted with 21st Century technology, and will help our educators be more in touch with how our students prefer to learn.

This evaluation plan will occur at Huddleston Elementary School in Peachtree City which is part of Fayette County. Peachtree City is a city of roughly 35,000 people south of Atlanta. Huddleston Elementary School is a school of approximately 600 students. Of these students, 77.39% are Caucasian, 5.89% are African American, 9.07% are Hispanic, 2.86% are Asian, and 4.77% are considered ‘Other’. Almost 13% of the students receive free or reduced price lunches. Twelve % of the students receive EIP services, 19.26% received gifted services, 7.17% receive speech instruction, and 2.86% receive Special Education services.

**Purpose**

Fayette County purchased these 21st Century tools to help its teachers meet the Georgia technology vision of increasing educators' proficiency in effective instructional uses of technology.  What will Fayette County teachers do with all this new technology? This formative evaluation will show how effective the implementation of the MOBIs© has been and how the MOBIs© are being used in classrooms. Because this evaluation will take place three months after the implementation of the MOBIs©, this evaluation will demonstrate how successful the implementation has been so far. If the evaluation shows that Huddleston teachers feel proficient in using the MOBIs©, more advanced training will be suggested to advance the teachers’ skills. On the other hand, if the evaluation reveals that staff does not feel prepared using the MOBIs©, a thorough review of the highlights of the MOBIs© would be suggested.

**Evaluation Questions**

Huddleston Elementary School’s vision is “Personal best”. Will personal best be demonstrated in teachers’ use of the new MOBI© technology? The goal of this study is to determine how successful the implementation of the MOBIs© have been at this school. Are teachers using the new 21st Century tools to engage their students in a way that these students prefer to learn? The evaluation plan described in this study focuses on formative measures of the implementation.

* In what ways do teachers at Huddleston demonstrate competence in using the MOBIs©?
* How will society benefit if students use MOBIs©?
* What is the critical path to reach the vision of increasing educators’ proficiency in effective instructional uses of technology?
* By adding the MOBIs© into our county, what value did we add for all internal and external stakeholders?

**Methods**

*Participants*

Huddleston Elementary School has 40 classroom and resource teachers. Of these 40 teachers, 28 have more than 15 years of teaching experience. Eleven have between 10 and 15 years of teaching experience. One teacher has taught less than five years. Many teachers have advanced degrees. Thirty eight teachers are female, and two are male. The school counselor is a man, and he has a MOBI©. The two male physical education teachers do not have MOBIs© to use in the gymnasium.

*Design and Procedures*

Because this study is being conducted only three months after the implementation of the MOBI system, qualitative data will be collected to measure the perceived value of this system. No standardized test data will be available, but the questionnaire will be an effective tool to collect information about teachers’ beliefs. Teachers’ opinions will be rated from a Likert scale questionnaire. The data collected will be nominal and ordinal. Open-ended questions will be included Qualitative data will be collected through focus groups and interviews. Focus groups and interviews may reveal additional areas for further inquiry.

*Instruments*

A Likert scale questionnaire will be given to teachers to access the implementation of the MOBI system. The questionnaire will begin with educational level and years of teaching experience to obtain background information. These questions will be nominally scaled. Later, the questionnaire will have questions that can be answered using a Likert scale. Open-ended questions will be included. The foci of the various questions on the questionnaire are as follows:

* Demographic information-two questions prior to the beginning of the actual survey
* Questions 1-3 & 10- Prior experience with classroom technology
* Questions 4-7 – Ease of use
* Questions 8,9,11 -13-Usage preference
* Questions 14-17-Teacher attitudes towards MOBIs©?

The questionnaire will be administered during a staff meeting. Teachers will be told that participation is voluntary, and a brief explanation of the nature of the questions will be given. Teachers will be told that they do not need to answer any question that they do not wish to answer.

Focus groups will be held with specific questions to obtain information about how we reach the vision of increasing educational proficiency in the effective use of the MOBI technology. These focus groups will be chosen by the principal. Another focus group will be held to determine the value of the MOBI technology that is being added to external stakeholders. The external stakeholders that will be interviewed will be five selected parents of Huddleston students. These parents are involved parents on the P.T.O. committee. They were selected by Huddleston’s principal.

**Table 1. Evaluation Instrument in the MOBI© Implementation**

*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Instrumentation\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

Project Objectives \_\_\_\_\_\_\_\_\_\_ Likert Scale\_\_\_\_\_ Focus Groups

* Teaching competence X X
* Society benefit X
* Increase educators’ proficiency X X
* Value added for stakeholders X

**Data Analysis**

Process and results data will be collected. Data relating to the results of the implementation will be gathered and analyzed. The process data collected will be useful to see if there are gaps in results between what Huddleston administrators intended for teacher use of the MOBIs© and the actual teacher use. The questionnaires will be analyzed and the raw data will be converted to percentages. High percentages to specific questions will be noted. The qualitative data derived from the focus groups will be coded to insure anonymity. The answers will be compiled in a narrative format.

**Conclusion**

When this evaluation is complete, the evaluator will meet with the principal of Huddleston Elementary School and the technology specialist to review the evaluation. Using the information gained in this evaluation, the principal and technology specialist can meet with the technology committee to set forth common expectations and/or training opportunities for the use of the MOBIs©.

**References**

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Appendix

**Questionnaire about the MOBI and its use in our classrooms**

**Years of teaching experience**: Under 5 5-10 11-15 16-20 21-25 26+

**Your Educational Level**  Bachelor Master Ed.S Ph.D

1. **I use technology in my classroom.**

Strongly Disagree Disagree Neutral Agree Strongly Agree

1. **I can navigate through the basic functions of a computer and operate basic software.**

Strongly disagree Disagree Neutral Agree Strongly agree

1. **I expect my students to use computers to learn.**

Strongly Disagree Disagree Neutral Agree Strongly Agree

1. **The MOBI was easy to install in my classroom.**

Strongly Disagree Disagree Neutral Agree Strongly Agree

1. **The MOBI is easy to use to display my morning announcements.**

Strongly Disagree Disagree Neutral Agree Strongly Agree

1. **The MOBI interactive pen is easy to use.**

Strongly Disagree Disagree Neutral Agree Strongly Agree

1. **In your opinion, is the MOBI a good addition to your classroom?**

Strongly Disagree Disagree Neutral Agree Strongly Agree

1. **Have you used the MOBI Workspace to annotate (write over) saved Word documents or Power Point presentations?**

Yes No

1. **Have you used the MOBI to display web sites?**

Yes No

1. **Were you aware that Georgia has a technology vision that states that educators will use technology to facilitate new ways of implementing instruction?**

Yes No

1. **How many minutes a day do your students use the student computers?**

0-10 11-20 21-45 46-60 more than an hour

1. **How many minutes a day are you using the MOBI with your students?**

0-10 11-20 21-45 46-60 more than an hour

1. **What activities have you used with your MOBI?**

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1. **What impact does the MOBI have on the layout of your classroom?**

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1. **In what ways is using a MOBI facilitating new ways of implementing instruction?**

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1. **In what ways has the implementation of the MOBI further engaged student interest?**

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1. **What else you would like to share about the MOBI and its use in your classroom?**

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**Teacher Focus Group**

**\*This will be conducted orally in a small group setting. Answers will be coded to insure anonymity.**

1. Do you feel successful in using the MOBI©?
2. What activities have you used with your MOBI©?
3. Have your students personally used the MOBI©? \*follow up with a how or why not question
4. If you experience technical difficulties, do you feel that there is someone at our school that can help you?
5. Were you aware that there are training resources in our Google mail section under sites-technology?
6. What have you done on your own to support your own learning of the MOBI©?
7. What can Huddleston administration do to support your learning of the MOBI©?
8. How can we reach the vision of increasing educational proficiency in the effective use of the MOBI technology?

**External Stakeholder Focus Group Questions**

**\*This will be conducted orally in a small group setting. Answers will be coded to insure anonymity.**

1. How many children do you have that attend Huddleston?
2. In what grade is your child(ren)?
3. How many minutes a day does your child(ren) use the computer at your home?
4. What programs does your child(ren) use at home?
5. What has your child(ren) told you about the use of the MOBIs©?
6. What activities has your child(ren) told you about that their teacher has done using the MOBIs©?
7. In what ways is using a MOBI facilitating new ways of implementing instruction?
8. In what ways has the implementation of the MOBI further engaged student interest?
9. What else you would like to share about the MOBI and its use in your classroom?