**Capstone Log – EDRS 8000 & EDRS 8900**

**Instructional Technology Department**

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| **Candidate: Leah Kurtz** | **Mentor/Title: Keith Brown, Ed.S.** | **School/District: Kell High School/Cobb County** |
| **Research Project Title:**Teacher Attitudes towards New Technology |

 **You are not required to reflect after each entry. Reflections can address one or more entries in the log.
Just delete the reflection row if you do not use it.**

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| **Date** | **Activity/Amount of Time(Please total the time after the last entry.)** | **PSC/ISTE Standards** |
| 8/17/2013 | Research into various possible topics [5 hours] | PSC 1.4/ISTE 1DPSC 5.2/ISTE 4BPSC 6.1/ISTE 6A, 6B |
| Reflection: (This space will expand as you type.)During this activity, I spent some time brainstorming what types of topics I would like to research during the capstone. I really want to focus on something that will allow me to figure out what teachers want to see in the classroom. I am thinking about doing something on professional development opportunities, but I cannot seem to narrow this down just yet. |
| 8/24/2013 | Topic narrowed down to teachers and technology: attitudes, perceptions, training [4 hours] | PSC 1.1/ISTE 1APSC 5.1/ISTE 4APSC 6.3 |
| Reflection:I am excited about the possibilities of examining teachers’ attitudes towards new technology. What I have seen in my own practice is that teachers who are older/more experienced tend to be less open to new tools. I think this is because they have been through a variety of new tools and bigger and better teaching methods, and they are frustrated by these newer ideas.  |
| 8/31/2013 | Literature Map researched and submitted [4 hours] | PSC 2.4/ISTE 2DPSC 4.2/ISTE 5B |
| Reflection:I have begun looking at different topics within the research and submitted my research map today. So far, I am narrowing research down into four main topics: teacher age and new technology; teacher efficacy and attitude and new technology; teacher training and new technology; and changing teacher training.  |
| 9/14/2013 | Literature Review researched and submitted [6 hours] | PSC 2.4/ISTE 2DPSC 4.2/ISTE 5BPSC 3.7/ISTE 3G |
| Reflection:So far, what I am seeing is largely in line with my own beliefs on teacher attitudes towards new technology being negatively correlated with their age and/or experience level. I am finding the new research into a variety of changing teacher training to be fascinating. As I contemplate my research questions, I think this is an area I would like to explore. Differentiating teacher training is just as important as differentiating lessons for students. |
| 9/28/2013 | Research Problem and Research Questions drafted [3 hours] | PSC 5.3/ISTE 4CPSC 6.1/ISTE 6A, 6B |
| Reflection:My focus is going to be on exploring teacher attitudes towards new technology and evaluating the possible correlation between teacher age/experience level and preferences for a variety of training options. |
| 10/12/2013 | Survey created for Google Forms [8 hours] | PSC 3.2/ISTE 3BPSC 3.5/ISTE 3E |
| Reflection:Coming up with the survey questions really took a LONG time. I honestly thought this would go fairly quickly, but I found myself going through and writing questions, then stopping to think about what I am truly trying to find out. As I finished a few questions, I was asking my husband to read through them and give me feedback. While I am a strong believer in collaboration, this doubled the time I spent creating this survey. However, I feel pretty good about what I have in Google Forms thus far, and I am looking forward to finding out what my professor’s response is. |
| 10/19/2013 | CITI Course Completed [4 hours] | PSC 6.1/ISTE 6A, 6BPSC 4.2/ISTE 5B |
| Reflection:I spent most of today’s working time dealing with completing the CITI courses. I know I did some of this for my M.Ed. work, so it was not as time consuming as it was my first time through. It is critical that we understand the ethical guidelines for research prior to beginning to seek approval from the IRB.  |
| 10/26/2013 | Drafted research methodology and submitted; revised survey questions [6 hours] | PSC 6.1/ISTE 6A, 6BPSC 5.1/ISTE 4APSC 5.3/ISTE 4C |
| Reflection:I feel as though this would have been a much faster process if I had ever done quantitative research prior to this project. I had a difficult time trying to figure out how to phrase things to make my planned process complete. Additionally, my professor had some feedback about my survey questions, so I revised those and submitted them. I am excited about my wording on the survey questions with hands-on descriptors that I am hopeful will make it easier for teachers to identify with one of them. |
| 11/2/2013 | Began draft of Cobb and Kennesaw State University IRB applications [3 hours] | PSC 3.7/ISTE 3GPSC 2.2/ISTE 2BPSC 1.4/ISTE 1C |
| Reflection:Submission of these two applications needs to be done fairly quickly, and I am concerned that they will not be completed in time to turn them in prior to the winter break. The Kennesaw State University one is not nearly as complicated as the Cobb County one, which is surprising. I will continue work on these two applications over the next week. |
| 11/9/2013 | Finalized draft of research proposal and submitted to discussion board [3 hours] | PSC 5.3/ISTE 4CPSC 6.1/ISTE 6A, 6B |
| Reflection:I cannot believe that this semester is almost over. This research proposal has been overwhelming to complete, but I am so thankful that the draft is finally completed and submitted. I am waiting on feedback from my professors, and then I should be ready to submit my IRB applications shortly thereafter. |
| 11/16/2013 | Changes made to research proposal draft, and final polished draft submitted [4 hours] | PSC 5.3/ISTE 4CPSC 6.1/ISTE 6A, 6BPSC 1.4/ISTE 1D |
| Reflection:Overall, I did not have too many changes that needed to be made, and this process went fairly quickly. However, wanting to make sure that everything is perfect delayed me a little. Changes made included a time period of my husband reviewing my paper to let me know if anything else needed to be fixed.  |
| 11/29/2013 | IRB applications finalized and ready to submit when I return from Thanksgiving Break [4 hours] | PSC 3.7/ISTE 3GPSC 2.2/ISTE 2BPSC 1.4/ISTE 1C |
| Reflection:All of the IRB paperwork is finally finished, I just need to have my principal sign off on my application and let him know it is being submitted to Cobb County. Hopefully, I will receive approval early January so that I can send out my survey beginning the first of February. |
| 12/2/2013 | Final reflection on this semester submitted to the discussion board [2 hours] | PSC 6.2/ISTE 6C |
| Reflection:I have really learned a great deal about research throughout this semester. My M.Ed. research had quite a few complications during the approval process. As such, going through the IRB process has been quite different this time around. I am looking forward to getting approval (hopefully with no changes) and moving forward with my research! |
| 1/18/2014 | Research Plan finalized and submitted for approval [4 hours] | PSC 6.1/ISTE 6A, 6BPSC 1.2/ISTE 1BPSC 2.4/ISTE 2D |
| Reflection:Approval has been received from Cobb County and Kennesaw State University. I have finalized and submitted my research plan, and I think this is feasible. I have given myself all of February 2014 to collect data through the Google Form. So far, the principal is completely on board with my project, and he said he is looking forward to seeing the results. |
| 2/1/2014 | Email sent out to all faculty and staff following approval from principal requesting participation in survey; also spoke with multiple teachers in my department and in the hallways requesting participation [3 hours] | PSC 3.7/ISTE 3G |
| Reflection:I have been pleasantly surprised by the positive reaction I have received from several teachers in the hallways over the last few days. I am hopeful that I will receive a high number of responses to the actual survey. |
| 2/3/2014 | Biweekly checkpoint quiz submitted [1 hour] | PSC 3.7/ISTE 3GPSC 6.2/ISTE 6C |
| Reflection:Today was the biweekly checkpoint quiz to give my professor an overview of where I am on my project. Compared to some other students I have spoken with, I feel pretty good about where I am. Approval has been received from both Kennesaw State University and Cobb County, and I am proceeding with data collection. |
| 2/8/2014 | Email follow up sent out to all faculty again requesting participation in the survey [1 hour] | PSC 3.7/ISTE 3GPSC 6.2/ISTE 6C |
| Reflection:Thus far, the responses to my survey have been fairly positive. Most teachers are expressing frustration with training and expectations that do not seem to meet their actual time constraints. |
| 2/8/2014 | Week’s responses to the survey summarized and sent to principal. [3 hours] | PSC 3.7/ISTE 3GPSC 6.2/ISTE 6CPSC 2.8/ISTE 2H |
| Reflection:Thanks to Google Forms, this survey summary was pretty easy to put together. I spent some time doing a small analysis so that the principal knows where we are on my survey.  |
| 2/15/2014 | Email follow up sent out to all faculty again requesting participation in the survey; responses thus far reviewed and reflected upon [3 hours] | PSC 3.7/ISTE 3GPSC 6.2/ISTE 6CPSC 2.8/ISTE 2H |
| Reflection:Although responses have been good thus far, I am still short of the 35% target response rate. I sent out the email again requesting responses. I also spent some time reviewing teacher responses thus far. I am interested in the fact that it looks as though responses are kind of all over the board. I am not sure that I will see a clear correlation in any of this! |
| 2/17/2014 | Biweekly checkpoint quiz submitted [2 hours] | PSC 3.7/ISTE 3GPSC 6.2/ISTE 6C |
| Reflection: (This space will expand as you type.)I submitted my biweekly checkpoint quiz today. I am overall very happy with the response rate, but I am hoping to get a few more responses with my last follow up email at the end of this week. |
| 2/22/2014 | Email follow up sent out to all faculty again requesting participation in the survey; responses thus far reviewed and reflected upon [4 hours] | PSC 3.7/ISTE 3GPSC 6.2/ISTE 6CPSC 2.8/ISTE 2H |
| Reflection: (This space will expand as you type.)I am a little apprehensive as I am looking at all of the data that has come in thus far. Although I have learned a good deal about quantitative analysis, this is clearly going to be a lot of work. I will be thankful when the survey closes out in the next week so that I can begin really seeing what I have to work with. |
| 3/3/2014 | Biweekly checkpoint quiz submitted. [2 hours] | PSC 3.7/ISTE 3GPSC 6.2/ISTE 6C |
| Reflection: (This space will expand as you type.)Thus far, I am in good shape. All of my research has been collected, and I am ready to begin my next steps of actually analyzing my data. I cannot believe how quickly this project has flown by, and I am a little anxious about finishing in time and doing a thorough review of my data. |
| 3/22/20143/23/2014 | Initial data analysis [6 hours]Continued data analysis [4 hours] | PSC 3.7/ISTE 3GPSC 6.2/ISTE 6CPSC 2.8/ISTE 2H |
| Reflection: (This space will expand as you type.)I have been working on my data analysis all weekend, and I am truthfully overwhelmed. I am seeing some correlations, but they are a bit different than I had anticipated. I need to submit my initial review and get some feedback from my professor before I go any farther.  |
| 4/4/20144/5/2014 | Revisions on data analysis done and work on final paper completed [10 hours] | PSC 3.7/ISTE 3GPSC 6.2/ISTE 6CPSC 2.8/ISTE 2H |
| Reflection: (This space will expand as you type.)The final paper is coming along nicely. Overall, there were not too many revisions to be done with the data, but the summary chart from my professor was a HUGE help. I spent time over the last two days inputting data and double checking calculations. I made a few mistakes initially when analyzing the data, and I wanted to make sure that none of those remained in my charts. I love that I am learning how to better utilize Excel! |
| 4/14/2014 | Work done on final presentation – PowerPoint is complete [6 hours] | PSC 3.7/ISTE 3GPSC 6.2/ISTE 6CPSC 2.8/ISTE 2H |
| Reflection: (This space will expand as you type.)The PowerPoint presentation did not take as long as I thought it would to finalize; however, I could not get Screencast to work to save my life! I kept restarting, and this obviously took extra time. Frustrating!!! Finally, I was able to finish it and upload it. I am hoping for positive reviews from classmates and the professors. |
| 4/29/2014 | Final Reflection done [2 hours] | PSC 6.2/ISTE 6C |
| Reflection: (This space will expand as you type.)It is hard to believe that this project is finally done. I am relieved to be finished, but I am also happy that I learned so much. This has given me a much greater appreciation for those researching in our field. On to the final semester! |
| Total Hours: [## hours ]: | 107 hours |

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| **DIVERSITY**(Place an X in the box representing the race/ethnicity and subgroups involved in this capstone.) |
| **Ethnicity** | **P-12 Faculty/Staff** | **P-12 Students** |
|  | P-2 | 3-5 | 6-8 | 9-12 | P-2 | 3-5 | 6-8 | 9-12 |
| **Race/Ethnicity:** |  |  |  |  |  |  |  |  |
|  Asian |  |  |  | X |  |  |  |  |
|  Black |  |  |  | X |  |  |  |  |
|  Hispanic |  |  |  | X |  |  |  |  |
|  Native American/Alaskan Native |  |  |  | X |  |  |  |  |
|  White |  |  |  | X |  |  |  |  |
|  Multiracial |  |  |  | X |  |  |  |  |
| **Subgroups:** |  |  |  |  |  |  |  |  |
|  Students with Disabilities |  |  |  | X |  |  |  |  |
|  Limited English Proficiency |  |  |  | X |  |  |  |  |
|  Eligible for Free/Reduced Meals |  |  |  | X |  |  |  |  |