**Capstone Log**

**Instructional Technology Department**

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| **Candidate:** Stuart Ogburn | **Mentor/Title:** Sandra Logan / Instructional Technology Coach | **School/District:** Norton Park Elementary / Cobb County School District |
| **Capstone Title:** Web 2.0 Tools and its Effect on Math Instruction and Achievement |

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| **Date** | **Activity/Amount of Time(Please total the time after the last entry.)** | **PSC/ISTE Standards** |
| 7/8/15 | Brainstorm and develop tentative plans for the professional learning opportunity. [5 hours] | PSC 1.2, 1.3, 1.4, 5.1, 5.3 |
| 7/9/15 | Performed research regarding Web 2.0 tools and technology integration. [3 hours] | PSC 1.2, 1.3, 2.2, 3.6 |
| 7/10/15 | Outlined professional development plan [3 hours] | PSC 1.2, 1.3, 1.4, 5.1, 5.3 |
| 8/14/15 | Meet with administration to discuss the professional development opportunity [1 hour] | PSC 1.1, 1.2, 1.4 |
| 8/15/15 | Created, posted, and distributed advertisements and emails to staff [2 hours] | PSC 3.2 |
| 8/25/15 | Created staff and student pre and post surveys [7 hours] | PSC 2.7, 2.8, 5.2 |
| 8/30/15 | Planned for session one [4 hours] | PSC 1.2, 2.1, 2.2, 3.2, 3.6, 5.3 |
| 9/1/15 | Session one [1 hour] | PSC 1.2, 2.1, 2.2, 3.2, 3.6, 5.2, 5.3 |
| 9/2/15 | Reviewed and analyzed staff pre-survey [2 hour] | PSC 2.8 |
| 9/14/15 | Planned for session two [5 hours] | PSC 1.2, 2.1, 2.2, 3.2, 3.6, 5.3 |
| 9/15/15 | Session two [1 hour] | PSC 1.2, 2.1, 2.2, 3.2, 3.6, 5.2, 5.3 |
| 9/27/15 | Planned for session three [5 hours] | PSC 1.2, 2.1, 2.2, 3.2, 3.6, 5.3 |
| 9/29/15 | Session three [1 hour] | PSC 1.2, 2.1, 2.2, 3.2, 3.6, 5.2, 5.3 |
| 10/13/15 | Modeled and observed teachers implementing their lessons. [2 hours] | PSC 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 3.2, 3.5, 3.6, 3.7, 4.1, 4.2,5.2 |
| 10/14/15 | Modeled and observed teachers implementing their lessons. [2 hours] | PSC 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 3.2, 3.5, 3.6, 3.7, 4.1, 4.2,5.2 |
| 10/15/15 | Modeled and observed teachers implementing their lessons. [1 hour] | PSC 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 3.2, 3.5, 3.6, 3.7, 4.1, 4.2,5.2 |
| 10/16/15 | Modeled and observed teachers implementing their lessons. [2 hour] | PSC 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 3.2, 3.5, 3.6, 3.7, 4.1, 4.2, 5.2 |
| 10/22/15 | Reviewed and analyzed student assessment and survey results [3 hours] | PSC 2.8 |
| 10/26/15 | Planned for session five [5 hours] | PSC 1.2, 2.1, 2.2, 3.2, 3.6, 5.3 |
| 10/27/15 | Session five [1 hour] | PSC 1.2, 2.1, 2.2, 3.2, 3.6, 5.2, 5.3 |
| 11/9/15 | Planned for session six [5 hours] | PSC 1.2, 2.1, 2.2, 3.2, 3.6, 5.3 |
| 11/10/15 | Session six [1hour] | PSC 1.2, 2.1, 2.2, 3.2, 3.6, 5.2, 5.3 |
| 11/16/15 | Modeled and observed teachers implementing their projects. [2 hours] | PSC 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 3.2, 3.5, 3.6, 3.7, 4.1, 4.2,5.2 |
| 11/17/15 | Modeled and observed teachers implementing their projects. [2 hours] | PSC 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 3.2, 3.5, 3.6, 3.7, 4.1, 4.2,5.2 |
| 11/18/15 | Modeled and observed teachers implementing their projects. [1 hour] | PSC 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 3.2, 3.5, 3.6, 3.7, 4.1, 4.2,5.2 |
| 11/30/15 | Modeled and observed teachers implementing their projects. [2 hours] | PSC 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 3.2, 3.5, 3.6, 3.7, 4.1, 4.2,5.2 |
| 12/1/15 | Modeled and observed teachers implementing their projects. [2 hours] | PSC 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 3.2, 3.5, 3.6, 3.7, 4.1, 4.2,5.2 |
| 12/2/15 | Modeled and observed teachers implementing their projects. [2 hours] | PSC 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 3.2, 3.5, 3.6, 3.7, 4.1, 4.2,5.2 |
| 12/7/15 | Reviewed and analyzed student assessment and survey results [4 hours] | PSC 2.8 |
| 12/7/15 | Planned for session eight [2 hours] | PSC 1.2, 2.1, 2.2, 3.2, 3.6, 5.3 |
| 12/8/15 | Session eight [1 hour] | PSC 1.2, 2.1, 2.2, 2.8, 3.2, 3.6, 5.2, 5.3, 6.2 |
| 12/9/15 | Reviewed and analyzed staff post-survey results [2 hours] | PSC 2.8 |
| 1/21/16 | Wrote capstone report (6 hours) | PSC 6.2 |
| 1/22/16 | Wrote capstone report (5 hours) | PSC 6.2 |
| 1/23/16 | Wrote capstone report (6 hours) | PSC 6.2 |
| 2/8/16 | Wrote capstone report (2 hours) | PSC 6.2 |
| 4/21/16 | Completed capstone log (2 hours) | PSC 6.2 |
| Total Hours: 103 |  |
| **Reflection**Throughout the duration of completing this project I was presented with many different learning experiences. Creating effective professional learning opportunities for teachers has many obstacles and can be a difficult task. However, by learning how to strategically plan I can better contribute to school improvement by facilitating technology and taking on a leadership role. By completing the capstone project I have learned how to successfully create a new initiative from planning and research to implementation.  Crafting a purposeful professional learning opportunity for teachers was my main goal when planning this project, which took several hours to do. I had to conduct a needs assessment in order to determine the strengths and weaknesses to inform the content and delivery of the professional development. Since the professional development sessions took place over several weeks I knew I wanted to create meaningful and productive professional developments that would require me work closely with teachers. This would require me to have the ability to work with others and gain their trust. I believe that having a smaller group of teachers participate helped me facilitate their needs and reach a better outcome. I was able to work one on one with teachers and help them create effective learning experiences that integrated technology and research based strategies for their students. Though working with a small group was not part of the plan, I believe it worked out in my favor because personal relationships were able to form. Developing relationships is key in creating effective professional learning opportunities and encourages teachers to engage in future professional developments. I believe that I facilitated the effective use of technology to promote the shared vision from completing this project. I was able to collaboratively plan with and assist other educators in utilizing technology to improve teaching, learning, and assessment. I was able to evaluate the effectiveness of the professional learning in order to deepen teacher content knowledge and improve student achievement. Developing these skills is what is required of a technology facilitator and leader to help aid in the school change and improvement process.  |

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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 |  |  |  | X |  |  |
|  Hispanic |  | X |  |  |  | X |  |  |
|  Native American/Alaskan Native |  |  |  |  |  |  |  |  |
|  White |  | X |  |  |  | X |  |  |
|  Multiracial |  |  |  |  |  | X |  |  |
| **Subgroups:** |  |  |  |  |  |  |  |  |
|  Students with Disabilities |  |  |  |  |  | X |  |  |
|  Limited English Proficiency |  |  |  |  |  | X |  |  |
|  Eligible for Free/Reduced Meals |  |  |  |  |  | X |  |  |