**Core Competencies Reflection**

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|  | Core Competency: Critical Thinking­­  **Here is evidence that I can…** strategize, analyze, reason, estimate, model, be creative, visualize, reflect and revise, connect, use mistakes to advance learning, use technology or other tools, extend, reason logically, adapt my ideas, etc.  For this assignment, we were asked to form a question and use the scientific method to create and conduct an experiment we could do in class. My group members and I used the critical thinking skills we already had in order to form a new question and make the experiment go smoothly, and I found that this project also helped me to improve my critical thinking skills. I showed that I could question and investigate throughout this project. In the science experiment, we had to ask different questions and elaborate on various topics in order to further our research and analysis. I was able to ask open-ended questions and gather the information I needed for our experiment. I came up with different questions that helped us to see what we needed to improve on and how we could expand on each topic. I could also explore materials and actions. We had to frequently change our list of materials and our procedure, because we would find errors and things we needed to change at times, which helped us to explore various items used for our experiment and different ways of doing things. We tried different materials and actions until our experiment flowed and was where we wanted it to be. I knew when something wasn’t working and when it was time to try something else.  I also showed that I could use my critical thinking skills to develop and design. I could experiment different ways of doing things throughout this assignment. I identified when something wasn’t working, and could see when we needed to do things differently. When one thing wasn’t working out the way I wanted it to, I knew that it was time to try something different and decided to experiment with different things. For example, if something went wrong during our experiment, we would try to find a different way of planning it out and sometimes through trial and error, we would figure out a way that worked for all of us. I would also develop criteria to evaluate design options. I created a guideline to follow and to help us plan out our experiment. I would use this to use different designs and to ensure the experiment was going to plan.  Ways I want to improve are…  Next time, I believe that I can ask more questions and express myself better. Asking questions help us to elaborate on our topics, and I think asking more in-depth questions could have benefitted us. This would have ensured that we were sure that we expanded on our answers and that it was clear. I also think that I could have improved on expressing myself better, because this could have helped to improve our experiment, as well as my opinions. Although I could say what I liked and disliked, I think more communication would have been helpful and could have helped to improve and clarify our answers. The more communication we have, the more we will all understand each other and the more we can help each other throughout the assignment. |  |