Core Competencies Reflection for Science Wood Bug Project

Name: Khousheh Ghaffari

For the Wood Bug Project I was in a group with two of my friends. Our project was on how fast do wood bugs run on different surfaces. I did the title page, material list with pictures included, data table and conclusion.

In my wood bug lab, a core competency I chose was creative thinking. Novelty and value: I get ideas when I play. My ideas are fun for me and make me happy. I brainstormed the materials that I was happy with that needed to be put under the wood bugs for different results. I then proceeded to gather each material. I trimmed off a piece of a shirt that I didn’t need anymore for the fabric. I also looked at what type of fabric it was just in case it affected the result of the wood bugs walking on it. In my textiles class, we were practicing on how to sew by sewing on lined paper (which created a series of small holes). I took the piece of paper I was practicing on and brought it for one of the materials. For the log, I found one walking to school. Lastly, I borrowed one of my partners books. I generate new ideas as I pursue my interests. While I was making the material list, I generated a new idea by putting the pictures of how our materials look in real life, so our teacher would get the idea of it. I can develop a body of creative work overtime in an area I’m interested in or passionate about. Overtime, I had finished my share of the work, I used my creativity by using photoshop apps for the title page by adding photos relating to the project.

Generating ideas: I deliberately learn a lot about something (e.g. by doing research, talking to others or practicing). I learnt that adding a leaf and some soil (bait) at the end of our materials the wood bugs were walking on, made them walk faster/run. This was common sense because a lot of organisms are drawn by the things they eat. I talked to my group mates and they agreed on this, one of my group mates that collected the wood bugs said she found the wood bugs in soil surrounding habitats and trees. I have deliberate strategies for quieting my conscious mind. When I feel overwhelmed with the work I have, I take a breather and do something relaxing. This helps my creativity juices running again. I have interests and passions that I pursue over time. I do my work time by time, equally spreading every task I have to complete everyday, for it to be fully done by the due date. This helps me a lot because I don’t have to do every task the night before it’s due.

Developing ideas: Can get new ideas or build on other peoples’ ideas, to create new things within the constraints of a form, a problem, or materials/I build on others’ ideas and add new ideas of my own, or combine other peoples’ ideas in new ways to create new things or solve straightforward problem. I can get new ideas of my own, but I didn’t achieve building on other peoples’ ideas. I don’t think we necessarily needed to build on other peoples’ ideas for this project but for next time if I’m stuck, I will research already done ideas online (that are relevant to the project) and build on it or combine it with my own ideas. I build the skills I need to make my ideas work, and usually succeed, even if it takes a few tries. I do build skills overtime while doing a project (ex: knowing more facts about wood bugs). When my ideas don’t succeed after many tries and if an adult can’t help me, I sometimes give up. In the future, I will try over and over again until it reaches my satisfaction, or I succeed. I will ask even more help from wise adults like my parents and teachers.