**Core Competencies Reflection**

|  |  |  |
| --- | --- | --- |
|  | 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.dI had to experiment with different ways of doing things as my ideas wouldn’t always work so I had to experiment with different builds. At the start it was a trapezoid with parts cut out for people to store stuff in, but when further looking into it, it would be too complex for me to build with all the cuts I would have to make with the tools I had. So, I changed it to a triangle with its top chopped off with a storage compartment in the inside. I then had the idea to get some sort of lighting in there so you could use it in the dark, so I went onto amazon and ordered led lights for 6.99 and realized that the only part left in the project was to build it so I got to work in my garage and after 5-6 hours of hard work the tech garage was finished and all I had to do was wait for the spray paint to dry. After the fair I was super happy as I made more Chaffee bucks than expected and now have this cool invention that I made and am super proud of. I had to make my ideas work. In order to turn my ideas into a reality I had to follow a nine-step process. Number 1 Brainstorm, what problems would the Tech Garage solve so that it would appeal to a wider audience. Number 2, Planning on paper and draw it so that I would have an idea of what it would look like, and to notice any problems that might happen so I could fix it a head of time. Number 3 make a prototype using cardboard so I could get a visual of it and build off it. Number 4, materials were gathered to build the product. Number 5, I had to cut all the pieces, so I had the right amount and wasn’t just guessing. Number 6, it was time to assemble it so that I could move on with the decorating. Number 7, painting it would make it more appealing to customers, so I thought why not spray paint it instead of it being just old wood. Number 8, it was time to put stuff in and made it look fancy with my own customizations and add the lights. Number 9, the last step was to test the product to make sure I could get my hands on every amount of Chaffee bucks I could get. I can identify criteria that I can use to analyze evidence. One of the requirements of the assignment was to determine the selling price for my invention. Because I built the Tech Garage, I knew the cost of materials and the amount of time it took to build. When calculating the sale price there were 3 major factors, cost of materials, time to build and amount of profit I would make to be successful.Ways I want to improve are… I want to be able to ask open ended questions to gather more information because I wasn’t really asking many people what they thought about my design and what they would change. I think that if I asked people more questions about my design of my project, I could have gotten more feedback and possibly finished the Tech Garage faster as I was stuck on the design and how I could build it. I had a lot of people telling me that this was a bad and I should scrap the idea in general and just move on to a different idea, but I kept on going and made a good amount of Chaffee bucks so in the end my idea worked very well and I had a great time making it.I had a hard time showing if I liked something or not at the very start of the project I had to brainstorm many ideas the highlights were obviously the Tech Garage, the pan case a case that holds your pancakes in a circle brief case that holds your pancakes and keeps them warm and an umbrella that collects water and puts it into a water bottle so you can drink rain water. Eventually I settled on the tech garage as it was the easiest to make and I thought that I would get extra marks on it if I built it. |  |