Core Competency Reflection

While developing my invention for the invention fair I was able to use the core competency creative thinking in many ways. More specifically, I was able to use this core competency while thinking of ideas for my invention. One way I could use this core competency while thinking of ideas was when I could make my ideas work or I change what I’m doing. An example of how I did this is when my first idea for an invention didn’t work out, I changed my idea to make it work. Another way I used creative thinking is when I got ideas that are new to my peers. One way I used this is when thinking of invention ideas, I came up with inventions that were new to my peers, mainly my partner. One other way I used creative thinking to come up with ideas is when built off of my partners ideas. When my partner came up with the final idea for our invention, I was able to expand on it and improve it. These were 3 ways I could use creative thinking to develop my invention.

Secondly, I was able to use creative thinking while building my invention prototype. One way I used creative thinking while building my prototype was when I got new ideas to create new things within the constraint of a problem. The first prototype I was building wasn’t going to work, so I came up with a new idea that eventually worked. Another way I used creative thinking was when I built the skills, I needed to make my ideas work. When developing my prototype, I had to build new skills and improve on some skills, such as cutting, to make my project work. One last way I used creative thinking for this step was when I could develop a body of creative work overtime. The prototype took multiple tries to build, so over time I had to develop new ways to build it. These were three ways I could use creative thinking while building my prototype.

Lastly, I was able to use most of the skills in creative thinking, however I wasn’t able to use all of them. One skill I could have used is deliberately learning a lot about something. While developing my invention, I could have done research on how other drink dispensers worked and built off of those ideas. Another skill I could have used is having interests and passions I pursue overtime. During and after the project, I didn’t make any pursuits to research inventions similar to my own, which could have helped me develop my invention even further. One other skill I could have used is getting ideas when I use my senses to explore. I was able to get ideas and explore my topic however, I wasn’t able to use my senses to help develop my project. In conclusion, I was able to use creative thinking to help develop and build my invention, but there were some skills I could have used but didn’t.