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### Reflection #2: The Second 50 Hours

During my second set of 50 hours at the ODU iLab, I had the rewarding opportunity to help facilitate K-12 field trips, enhancing my experience with both STEM and cybersecurity concepts. One of the highlights was working with kindergarteners. We demonstrated how the laser cutter works, allowing them to design their own monsters, which we then digitized, cut, and engraved. Their excitement as they saw their creations come to life was incredibly fulfilling. Additionally, we introduced them to basic electrical circuits using Play-Doh, batteries, and copper wire, enabling them to produce light. It was a simple yet effective way to spark their interest in STEM. I also had the opportunity to guide middle school students as they explored Sphero robots. We challenged them to code the robots to navigate within a predefined square, adjusting speed, direction, and angular motion. Initially, they struggled with the coding, but with support, they quickly learned and gained confidence in their programming skills. It was rewarding to witness their enthusiasm as they succeeded in the challenges.

In addition to assisting in these engaging sessions, I followed an intern task sheet that outlined my weekly responsibilities. This included conducting maintenance on the 3D printers, performing cleaning maintenance on the DTG printer, and refilling the hydroponic water tank. After each field trip, I ensured that the Sphero robots, laptops, and iPads were sanitized and charged, preparing them for the next group of students. One task I particularly enjoyed was organizing and restocking the Teacher Geek Cart. I returned supplies to their labeled bins,

stocked extra items from the back closet, and conducted inventory checks. I communicated with Kaitlyn if we were running low on tools, ensuring we were always prepared for our activities. When time allowed, I sorted and organized materials from various kits, returning items to the Teacher Geek Cart or storage closet. I also focused on cleaning and organizing the Blue Room to maintain a tidy and efficient workspace.

In conclusion, my second 50 hours at the ODU iLab have been a transformative experience. Engaging directly with K-12 students allowed me to witness their curiosity and excitement for STEM. The combination of hands-on activities, maintenance responsibilities, and organization tasks has reinforced my learning objectives and deepened my appreciation for both technology and education. This internship continues to provide a well-rounded experience, aligning my interests in STEM and cybersecurity while making a positive impact on young learners.

Here these girls are coding sphero robots:

