

Week 7 Summary

Your name: Kevin Downing

Freshman's Name: Daniel Cardone

What is your freshman interested in? Sports, hobbies, work?

Dan is interested in programming various applications such as on desktops, websites, and electronics. Interested in a mix between engineering concepts and programming.

What are the seven shops your freshman is exploring?

1. Business Technology
2. Heating, Ventilation and Air Conditioning (HVAC)
3. Engineer and Robotics Technology
4. Electrical
5. Information Technology
6. Construction
7. Electronics and Engineering Technology

Besides helping others what did your freshman do to show leadership?

Dan despite being more knowledgeable about programming the robot, instead of being controlling he taught everyone in the group how to program scratch, making sure everyone got a turn on the computer. He explained the process of getting the base of the code done and doing measurements. He asked his teammates what they wanted they do such as prompting them whether who wanted to take the measurements and do what. Everyone in the group had fun and actually enjoyed doing the activity, Dan was friendly and made sure people were involved and more importantly enjoying it despite his entire group originally showing no interest in the shop.

What activity did your freshman enjoy the most? Why?

Dan enjoyed the tingler kit by far the most. He has been waiting to do the project for weeks and premade an Arduino program and game that will be connected to it. I set up the circuit with the transistor and was the first one to test it for him. He even showed the project to the other freshmen and other students in the programming club.

What difficulties did we have this week, things that may not have gone well or were difficult for your freshman, or what was not of interest?

At first, Dan seemed new to soldering and nervous to talk to the teachers however as time went by he got extremely good at soldering, being able to solder the entire alien game without my help with no shorts or major flaws as he knew all the components, the procedure to solder, and how to follow the instructions. He also got used to talking to Mr. Norton as he went up to him to explain all of his projects.

Why would you recommend this student for the electronics shop?

I anticipated having Dan as a freshmen for the past few weeks and was amazed at how much better he performed than I thought. He is the model student for electronics as he has a burning passion for programming along with electronics and has already done his own personal projects in exploratory. He's also loves teaching others as shown from his time programming the IQ robots and his time teaching students in the programming club. He picks up things extremely quickly as shown with soldiering.