



Miami Valley Career Technology Center Press Release

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For Immediate Release – **October 2011**

MVCTC Students Visit Laboratories of the National Museum of the United States Air Force –*submitted by : Erin Johnson, Electronics Engineering student from Twin Valley South*

Dayton, Ohio -- I had the rare opportunity to see the laboratories of the Air Force Museum along with 40 others from a variety of Science, Technology, Engineering, and Mathematics (STEM) schools. I have included a brief description of how I spent my day.

We were sectioned off based on interests relating to our future careers, though we were not fortunate enough to see every lab. I was placed in the sensor department where a variety of employees demonstrated their typical workday. They elaborated on what their goals were and how they were to accomplish them.

Within the sensor department, we visited three sections where we saw a large variety of complicated technologies that I [enjoyed]. I asked several questions relating to the circuitry and the operation, which I understood very well due to my [education], acquired at MVCTC. They were astonished with my knowledge in this area and were interested in what courses I had taken.

Several little branches contribute to the Air Force. For example, we visited a group that is paid to hack computers. The purpose of this branch is to explore every possible way that the enemy could access confidential information. Another group worked on radio technology for aircrafts. Their office was complete with two flight simulators that we were able to test. My personal favorite section worked with a variety of sensors and unique devices called Sun Spots.

I enjoyed this experience because I was able to see how engineering and electronics contribute to the Air Force. I learned a lot about how teamwork is key in companies like this and how they all work towards one thing: national security.

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