



EXTREME STEM Tour Spring 2015

Catawba County Schools 8th Grade (Arndt, Jacobs Fork, Maiden, Mill Creek, River Bend)

Name 3 cool things you learned on the EXTREME STEM Tour:

“One of the coolest things I learned during the tour was that there are some jobs here right in our county, which aren't just small little factories or companies by themselves but they also work along with many other great and big companies all around the nation.”

“How important it is to get an Education.”

“I learned from concept frames, that they use math every day, and that math is a very big part of their day.”

“The CVCC tour about courses you can take and how they want you to succeed.”

“I learned that a company called Vanguard Furniture exists.”

“I watched and learned all the steps that went into making just one piece of furniture at CR Laine, the pride they take in their work. They make beautiful pieces.”

“That you use math and science for most jobs around including furniture companies and medical jobs.”

“Manufacturing today relies on computers and robots.”

“I learned that Engineering is when people help other people fix stuff and do stuff and solve problems for GKN.”

“Another thing I found interesting was that Turbocoating used extreme heat to make sure the coating on the turbines were smooth and wouldn't melt while doing what they were designed to do.”

“I got to learn and witness the making of tape. Something that I have never even thought about! I didn't know that this much went into making some duck tape.”

“I learned, in every environment I encountered, that all the subjects I am currently being taught are used in the workforce. For instance, MSC uses the Periodic Table quite frequently and I recently studied that this year”

“The steel factory in Conover is the lead producer in steel in the US.”

“I learned that you can make good money working in a factory.”

EXTREME STEM Tour Fun Facts!

- Over 7,000 8th graders and their teachers have participated in the EXTREME STEM Tours.
- 45 Businesses have given behind-the-scenes tours, many having participated numerous times.
- It takes 90+ adult volunteers to make the EXTREME STEM Tour happen each day.
- There have been 31 EXTREME STEM Tours over the past 3.5 years.

“The last thing I learned was how important it is to start thinking about your future at a young age.”

My Favorite thing about the EXTREME STEM Tour:

“My favorite place or thing that we did on our extreme STEM tour was probably the Manufacturing and Solutions where we learned about different things all the way from the 3-D Printer to the Fabric machines.”

“Going to visit all the businesses we went to and learning how their jobs work and what they do. What school they had to consider and how they did it. We learn skills that could help us in our future and learn what kind of jobs we would like to do.”

“My favorite part of the EXTREME STEM tour would have to be touring CVCC. It was nice to get an inside look at what types of programs are offered at a college, so close to where we live. It also provides you with some viable career options that you might have never known you had.”

“Getting to see one of my possible future jobs.”

“Even though the overall experience was mind-boggling and truly incredible, I loved the small robots at the CVCC Lunch and Learn. I am fascinated that not only can we make a robot dance but respond to humans in any appropriate manner! I am currently considering the possibilities in the future with this technology, thanks to the STEM Field Trip.”

“My favorite part of the STEM trip was the Linemen at CVCC because they get to travel a lot and they make good money and it would be a fun job.”

“My favorite part was going to CVCC and playing with the dummies in the hospital. I also liked when we went to the EMS and put out a fire and when we played with the dummy and watched them give him shots and stuff.”

“CVCC was a blast. I had so much fun, the man talking about what we want to become inspired me to be successful in life and I feel like I'm not working hard enough. Now that he said that, I want to work harder in life. I want to graduate from a 4-year university and want to become an engineer.”

“My favorite part on the stem tour was when we went to Ethan Allen and saw people using nail guns to keep the furniture on the chair together.”

“The extraordinary thing I saw at Frye hospital which by far was my favorite part of the whole stems trip. Me and my classmates got to see a brain, a human brain which was amazing. The man showed us the different parts of the brain. In all honesty I wanted to touch it I was intrigued. It was in this liquid that hardened up the tissue so they could cut and examine the brain or other human parts easier.”

“I enjoyed the presentations that showed us demonstrations of things that the companies use in everyday things (thermal camera at Corning, wood-carving machine at Vanguard).”

“My favorite part of the STEM tour was the last presentation of CommScope where I learned the difference between the money/wages if you do go to college or you don't.”

“The Pepsi tour, it was exciting and I didn't get bored. I was thoroughly engaged with the tour and activities.”