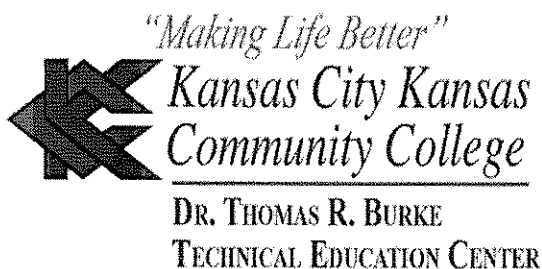


# Middle School Career Awareness Day at TEC



Presented by:  
Scott Smith  
TEC Counselor

Carly Eastling  
Academic Support Facilitator

Charles Knapp  
Business and Industry Coordinator

## How the middle school event began...

- ▶ Northwest Middle School contacted Scott Smith (Dec. 2011), and wanted to bring their 7<sup>th</sup> grade students to the TEC to expose them to the different career/college options available.
- ▶ Scott Smith recruited Charles Knapp and Carly Eastling's help on how to best accommodate middle school students so that the experience was both educational as well as memorable.
- ▶ How do middle school student's learn best...
  - ▶ Hands-on activities
  - ▶ Limit lecture/information time
  - ▶ Must have movement
  - ▶ Still need structure
- ▶ Came up with each program doing either a hands-on activity or a demonstration about their programs.
- ▶ Must have structure with these activities. (7 minutes, blow a whistle and move to next station.)
- ▶ Had to have TEC instructor and students help with the different stations.

## Reasons why we do Middle School Career Awareness Events at the TEC

- ▶ Wanted to provide middle school students the opportunity to explore how career and technical education skills help connect school and education to life-long learning and the variety of career options available to them.
- ▶ We wanted to give these students a hands on experience with all the programs we offer at the TEC.
- ▶ We want ALL students to actively connect and experience all the programs without the gender bias of thinking certain careers are specifically for males or females.
- ▶ Wants students to know they will have the opportunity to enroll in these programs while they are in high school and get college credits as well as industry recognized certification/credentials before graduation.
- ▶ Research shows that college/technical education activities should begin in the middle school and be reinforced in high school to ensure that students have ample time to consider and explore all of their career options.
  - ▶ <https://www.act.org/research/policymakers/pdf/CollegeReadiness.pdf>
  - ▶ [http://www.air.org/sites/default/files/downloads/report/Early\\_College\\_High\\_School\\_Evaluation-Student\\_Recruitment\\_March\\_2005\\_0.pdf](http://www.air.org/sites/default/files/downloads/report/Early_College_High_School_Evaluation-Student_Recruitment_March_2005_0.pdf)

## Major Appliance Repair

Students learned how different levels of air pressure can affect different objects from a balloon to a marshmallow.



## Cosmetology

Students had the opportunity to learn about the different textures of hair and how they feel.

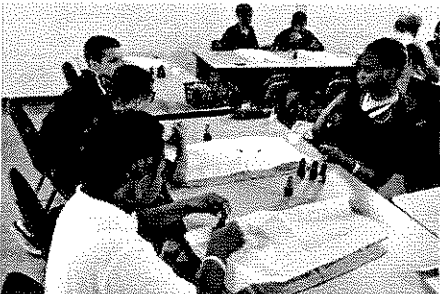


Students learned how to do different types of braids.



## Nail Technology

Students got to learn how to create different designs using a variety of tools and different nail polish.

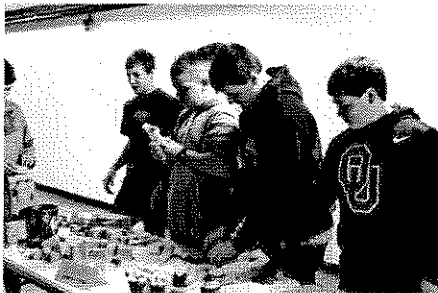


Then students got to try and make the designs on a nail.



## Early Childhood Education

Students got to learn about how preschool students learn through art.

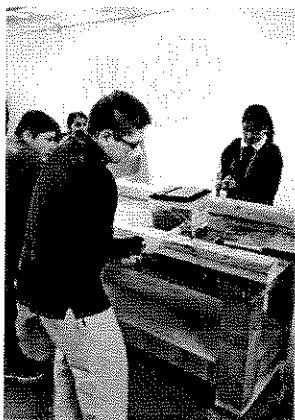


Students also learned that different types of play build different skills for toddlers and preschool children.



## Construction Technology

Students got the chance to hammer a nail. They found it wasn't as easy as it looked because the nail wanted to bend and they needed to keep it straight.



Students got the chance to use a hand saw. They found that you have to hold the saw at just the right angle to be able to cut the wood.



## Auto Collision Repair

Students learned about dent repair by damaging a car door with a hammer. It was harder than they thought to put a dent in the door.

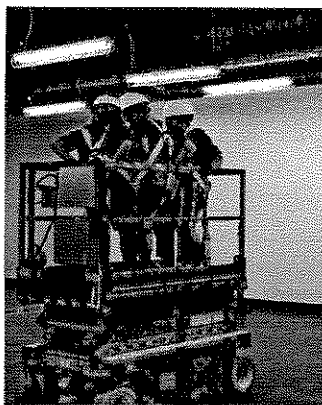


Students also learned about how to paint different designs on a car.



## Building & Property Maintenance

Students learned how to operate a Skyjack Scissor Lift, and what it is used for in this field.



Students also learned how different piping fits together in order to work properly.



## Welding

Students got a chance to see what it felt like to wear all of the welding gear.

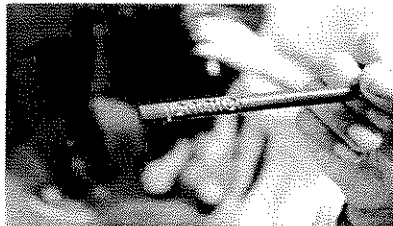
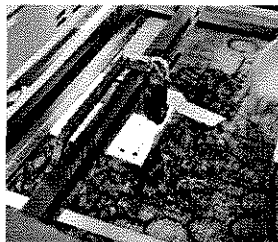


Students got a chance to try and do a gas metal arc weld (GMAC) and see what it is like to weld.



## Machine Technology

Students learned how to create a design and turn it into a blueprint. They also learned how this blue print application is used.





## Auto Technology

Students got to change a tire. They had to take the lug nuts off and then put them back on. They were timed to see who could do it the fastest.



Students got to put their strength to the test by seeing how many pounds they could torque on a wheel lug nut.



## Electrical Technology

Students learned about basic electricity and how a tesla coil can generate a massive voltage of electricity and produces a huge discharge.



Students learned basic electricity and how it travels.



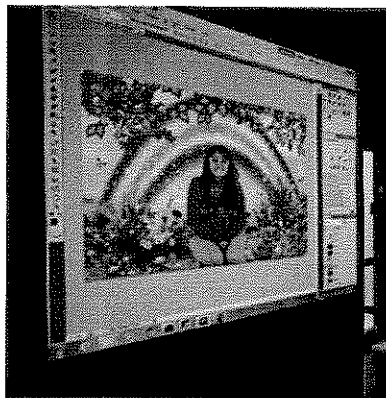
## Heating & Refrigeration

Students learned about the different components of a furnace and an air conditioner.



## Multimedia

Students learned about the art of photography and the different software available to edit the photos.





## Health Careers

Students had a chance to see what it was like for people in a wheelchair and how to maneuver around in one by competing on an obstacle course.



Students learned about CNA work and how to take blood pressures.



## Computer Repair

Students got to learn about the different parts to the computer as well as how to take a computer apart and put it back together again.

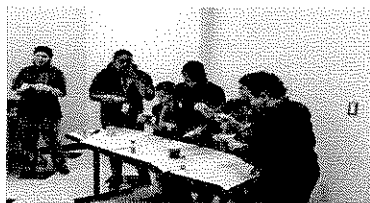
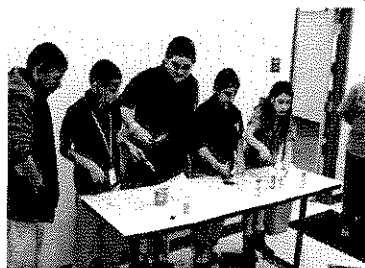


## Culinary Arts

Students got a chance to hear from one of our Chefs and students at the TEC about our Culinary Arts program.



Then students got to frost and decorate a cookie.



Last, they got to eat their cookie creation.

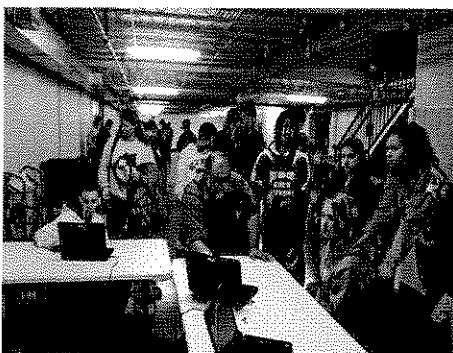
## Medical Assistant

Students learned about our Medical Assistant program. They had the chance to be a real medical assistant by weighing a baby, taking each others temperature and measuring each other's height.



## Computer Applications

Students learned how to create different computer applications and how the process works.



## Office Assistant

Students got a chance to test their typing speed.

The student that got the fastest typing time, with the least amount of mistakes won a prize.



## Students Feedback

What did you learn from your experience today at the TEC?

- ▶ Today's trip helped me understand more about careers and what I need to do for those careers.
- ▶ If you do good in high school and have good grades you can come to TEC and study more of what you want.
- ▶ Today's trip helped me in finding a goal for my future by inspiring to go to college. I want to go to TEC for college.
- ▶ I learned that if you keep good grades in high school you can go to TEC your Junior or senior year and get a head start on your career.
- ▶ This field trip helped me see the different careers and I got to experience a lot of different jobs that I wouldn't have ever tried, but I liked them. I have many more options in careers than I thought.
- ▶ I learned the steps for what I need to do for my career.
- ▶ I learned that how I do now in school could affect me and my career when I am in 12<sup>th</sup> grade.
- ▶ I learned now that I want to go to the TEC and learn more. I liked getting to do the careers. I am much better at many of these careers than I am learning at school.
- ▶ I learned that I am a good worker, and these careers are fun.

## Teachers Feedback

- ▶ Thank you so much for the best field trip EVER! I've been teaching for 38 years and seriously this was the most organized, hands-on, educational field trip I've ever taken students on. The students are going to be talking about it for a long time. What a good memory for them!
- ▶ This was an amazing opportunity for students to have a hand-on experience with different careers. All of the activities were excellent. This activity arrangement was engaging and fun for everyone. This event was incredible. Thanks for having us!!!!
- ▶ I liked the variety of stations that were available for students. They loved the hands-on activities. Students found it very useful with the exposure to all the career options. The event was well organized and the bell for station rotation was perfect. Students thoroughly enjoyed the event.
- ▶ Thank you for a fabulous field trip! The students said they had no idea that there were so many different options available to them. You did an amazing job of transitioning us before the students were able to get too restless and making almost every station interactive. Your students were knowledgeable and friendly. You exceeded my expectations.
- ▶ I loved the hands on activities. I saw many students that shy away from activities at our school participate in your activities and shine.
- ▶ This was a great tool for these kids to be exposed to some great careers that are available to them. I really liked at the end how you brought the students back together and explained to them what they need to do to be able to attend TEC, or any college.
- ▶ I liked that the students actually got to participate. I REALLY liked that at the beginning the speaker told the students they would NOT be in school forever and they would need to find some type of career to support themselves.
- ▶ I love how this opportunity got our students talking positively about their future careers now.

## More Information

- ▶ We can schedule these events once a month, and it is on a first come first serve basis.
- ▶ We have 2 different time slots the Middle School's can pick from:
  - AM - 8:30 am to 10:45 am
  - PM - 11:45 am to 2:00pm
- \*\*\*We can only do either an AM or a PM time slot, cannot do both.
- \*\*\*\*Due to the TEC instructors and students schedules, these times cannot be altered.
- ▶ We ask for a minimum of 100 students attend and can accommodate a maximum of 230 students.
- ▶ Middle Schools can only attend once a school year.
- ▶ We ask that teachers and other staff attending from the middle school help monitor their students.
- ▶ We ask that after the event, your middle school students as well as the teachers and staff that attend fill out a survey giving us there feedback about this event.
- ▶ There is no cost to attend this event.

## Middle Schools Career Awareness Event Data

2014-215 school year

Date	Middle School	# of Students that Attended
Oct. 14, 2014	Coronado Middle School	111 students
Nov. 5, 2014	Central Middle School	227 student
Dec. 5, 2014	Eisenhower Middle School	150 students
Jan. 23, 2015	Northwest Middle School	225 students
Feb. 20, 2015	West Middle School	150 students
Feb. 27, 2015	Lansing Middle School	168 students
April 27, 2015	Warren Middle School	215 students
<b>Total:</b>	<b>7 Middle Schools</b>	<b>1246 students</b>

2015-2016 school year

Date	Middle School	# of Students that Attended
Sept. 14, 2015	West Middle School	230 6 <sup>th</sup> grade students
Oct. 12, 2015	Coronado Middle School	130 8 <sup>th</sup> grade student
Nov. 13, 2015	Basehor Middle School	188 8 <sup>th</sup> grade students
Dec. 23, 2015	Northwest Middle School	225 7 <sup>th</sup> grade students
<b>Upcoming Events</b>		
Feb. 26, 2016	Lansing Middle School	155 8 <sup>th</sup> grade students
March 23, 2016	Warren Middle School	230 8 <sup>th</sup> grade students
April 26 <sup>th</sup> , 2016	Central Middle School	250 6 <sup>th</sup> grade students
<b>Total:</b>	<b>7 Middle Schools</b>	<b>Estimated: 1468 students</b>

## What we learned and where we are...

- ▶ Growth of the event
- ▶ Tracking data
- ▶ Support from TEC faculty, staff, administration, and students
- ▶ Training and expectations to the new TEC students
- ▶ Show appreciation to TEC Faculty, staff and students involved
- ▶ Time restrictions on stations
- ▶ Managing middle school small groups
- ▶ No candy
- ▶ Safety first
- ▶ Technical difficulties
- ▶ Impact this event has on these middle school students
- ▶ Circular layout with directional signs

## For more information on the TEC Middle School Career Awareness Events please contact:

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