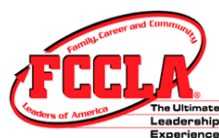


CTE NEWS AND EVENTS

Fall 2018



Structural I and II Students Help the Community

Structural Systems 1 and 2 students have been busy with several large projects this semester, two of which will benefit the community. First of all, they redesigned and built a new Santa Claus house for use on court square during the holiday season. Secondly, students built benches which will be used for outdoor seating at the NP3 House in Bolivar (the city's newest coffee shop).



Agriculture and Construction Students Attend Ribbon Cutting

Agriculture and construction students attended the ribbon-cutting ceremony for the arboretum at Pleasant Run Creek Park on Friday, August 24, 2018. Students enjoyed walking the mile-long trail and viewing the almost 30 varieties of trees in the Level I arboretum.



Middleton Advanced Manufacturing



By Zeke Craft

Jeremy works with my son Johnny at Co-op. He learned that we did 3D Printing through a co-worker of Johnny. Jeremy had seen a video of a 3D Printed finger and asked Johnny if we could make it. Jacob worked with me, along with Bob Harrison at Learning Labs in printing the design. What made it interesting was that the material used was new to Learning Labs. It was TPU which is a rubber base material allowing part to be flexible. We ran a new update on our software, used 5mm tip and adjusted some machine parameters to make a suitable part. Pictured in the attached files is first prototype. We'll continue to work with Jeremy to make improvements.



Austin Mitchell (senior), Jacob Lumpkins (senior),
Jeremy McKay, Zeke Craft.



Middleton High School HOSA Community Awareness

On December 10, 2018, the Middleton High School HOSA Community Service Team (Adriane Pirtle, Jazlyn Bustos, Zicarra Pirtle, and Annie Patel) went to Adrenaline Fitness after school and offered to check blood pressures to people coming to the facility. The students also documented their blood pressure results and encouraged people to continue to monitor their blood pres-

Middleton High School HOSA Zoo Trip

On November 9, 2018, approximately 45 HOSA students from Middleton High School attended Zoo Snooze in Memphis, TN. Students arrived Friday afternoon and attended a class covering endangered species and were able to ask questions and get an up close look at several animals during the class. They also participated in a nighttime tour of the zoo and were able to see the nocturnal animals unlike usual tours during the day. Since the trip was scheduled for this date, students were able to enjoy many of the zoo lights as the zoo was preparing for Christmas. All students stayed in classrooms at the zoo and at breakfast at the zoo on Saturday morning. After breakfast, they were able to take advantage of time to tour the zoo until visitors arrived.

Students said that they thoroughly enjoyed the trip and learned so much more than they would have if they had just taken a regular trip to the zoo. Several chaperones also attended and stated that they also enjoyed this activity and would love to go again.



Bolivar Middle Update

The Technology classes at Bolivar Middle School have been adventuring into new areas this year. The students have had exposure to 2-D drafting and 3-D model production which has challenged their imagination and creativity. Furthermore, they have learned to solve problems with limited resources, as in real-life. This was accomplished by having the students engage in the 'Pringles Challenge'. The goal was to develop a shipping container using only a limited amount of materials. After which a Pringles chip was enclosed in the packages and two tests were performed. The condition of the chip was then evaluated. Some made it unscathed, some not so much, but the students enjoyed the experience. One class is developing solar ovens that we hope to see how they perform, even with the challenge of the cooler weather. More to come with this project.

The BMS group of TSA (Technology Student Association) is preparing for Regional Competition set for January 18th. We have 10 members this year, with 3 return members and 7 new members. Most of our members this year are 6th and 7th graders which is encouraging for next year events. The members were successful in their fund raiser which will go toward costs associated with the competition and a field trip to Loan Oaks is currently in the plans for March.

Bolivar Central FBLA

