



Manufacturing

After training students in the proper safety techniques and practices, students have been able to get to work on various projects. They designed name plates for new teachers in the high school using MasterCAM 2019. The name plates were machined using our new CNC mill. The Lincoln Torchmate is also being put to good use providing a creative outlet for project enhancement. With the combination of traditional welding techniques and incorporating CNC cutting and design, students are getting exposure across the spectrum of learning. Many students are completing their very first project such as a cell phone charging station while others are going beyond with projects such as a display case, a custom floor creeper, and a welding cart for a Lincoln 210MP.



New this fall is a FANUC Machining Simulator purchased through a Federal Perkins Grant. The FANUC Machining Simulator encompasses the complete manufacturing process from part design and engineering to CNC programming to virtual production simulation. It also features

Autodesk Fusion 360 CAD/CAM/CAE software and a custom machining simulation program. With grant funds we also were able to purchase a hydraulic bender to assist in shaping and bending tubing in welding and manufacturing projects.

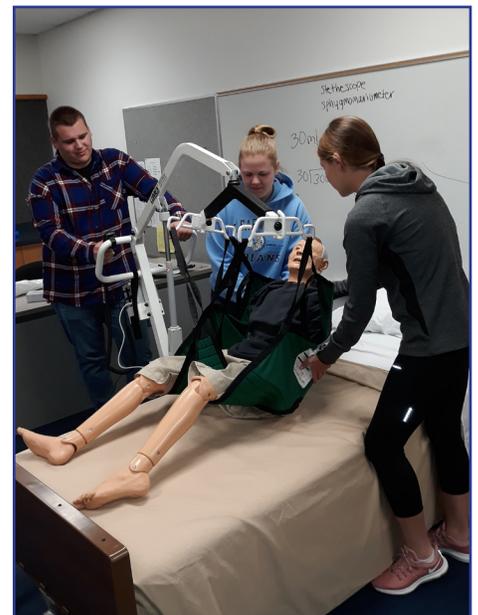
Health Science

The science department had a change in faculty going into the 2018-2019 school year. We welcomed two new teachers! Jason Jinkens teaches Biology and Earth and Space Science and Kyle Walsten teaches Chemistry and Physics. Jeana Parker returned but transitioned into teaching Anatomy and Physiology, Advanced Biology, and Environmental Science.

With the full integration of Chromebooks during the 2017-2018 year the department continues to find new ways to integrate the use of the Chromebook in case-study analysis and development of interpersonal skills. The anatomy class recently conducted an online clinical investigation of disorders of the integumentary system. The exercise put them in the role of physician in which they researched, discussed diagnosis, and treatment plans for hypothetical patients. In the spring, the Anatomy and Physiology class is planning on visiting the cadaver lab at WSU.

In the CNA capstone course students began the semester attending skills labs in a mock facility within the high school. During this time students learned skills such as taking blood pressure, counting for pulse

and respirations, how to feed and clothe residents, etc. After students perfected their skills in the mock facility, students moved into their clinical rotation at Family Health and Rehab in Wichita. Students have been able to interact with residents, practice trans-



fers, ambulation, feeding, peri care, etc. In the weeks to come, students will take their final exam those who pass will be CNA certified and can enter the workforce at a time of their choosing.

Business & Finance

The YE class of 17 students conducted their lunchtime Market Day on November 15. Students were able to prepare for their event with the help of six industry mentors and Ms. Meyer. Net profit (after paying table rent, 10% tax-

es, and loan repayment) was \$1,812.59. The students voted to give the table rent and tax amounts to a member of the Clearwater community to help with unexpected medical expenses. "I love this class because it teaches you how to run your own business. When I get older I'm hoping to be able to run my own chiropractic business and the knowledge I have gained will help me then," said Drake Beatty, junior.

In accounting class, students are using automated accounting software to complete a series of business simulations. These simulations attempt to duplicate the real world activities of an accountant in a small business. Business Law students spent a day at the Sedgwick County Courthouse and Detention Facility. Our students had an opportunity to observe court proceeding that were taking place that day. They observed the beginning phases of a murder case and gained a better understanding of how a courtroom operates. Students spent the afternoon in the detention facility on a guided tour and were able to observe the different living arrangements for inmates awaiting trial.

Web & Digital

In our introductory level course, Computer Applications, students continue to learn Microsoft Office applications. Since student all have Chomebooks correlations are made between the Google and Microsoft platform, but the main focus in this class is still on Office applications. Students continue to take the Microsoft certification exams at the end of each unit. Depending on the software the student success percentage at gaining certifications is 75-95%.

Students taking a technical level course could be enrolled in Computer Graphics, Webpage Design, Animation, Computer Programming, and Graphic Design. With part of our Federal Perkins Grant we were able to continue the licensing fee for the Adobe CC Suite which is used in our digital design classes. We also received an equipment grant for a DSLR camera, green screen and light kit to be used in our design classes.



Two teams (7 students) of CHS students competed at the KSU programming competition where both teams competed well against schools from around the state. We also have two students enrolled in the capstone course Media Technology mentorship where one is working with Shelby Robinson, Creative Visions Photography, and the other is working with our district IT department.

Teaching & Training

The Family and Consumer Sciences department has a new teacher this year, Ashley Weber. She is a graduate

of Kansas State University and taught for 11 years in northeast Kansas before coming to Clearwater.

The Human Growth and Development classes have been working chronologically through the life cycle to learn how we grow and develop. With the purchase of new Real Care Babies, the students have had the opportunity to care for an electronic baby over a weekend. Their baby

will cry and need cared for like a real infant; feed, burped, rocked and changed. The schedule mimics that of a newborn child and the students learn the full time responsibility of having an infant.

Another new addition to CHS this year has been an organization called Family, Career and Community Leaders of

America. FCCLA is a student led organization through the Family and Consumer Sciences (FCS) department. Students are eligible to join if they are currently enrolled or previous taken a class in the FCS Department. FCCLA is a district, state and national level organization where meetings and competitions are held at each level. FCCLA is an excellent opportunity to be involved in community and school service projects, develop and improve leadership and communication skills as well as represent the school on a state and national level.