

Aerial Photos provided by Matt Baker

# The Career Center Courier



**MARCH 2022**  
Volume 6 Issue 8



**Automotive  
Makes Sense of  
Tire Repair**

**A Subsidiary of Stark  
Enterprises?**

**Student of the Month:  
Alyssa Keigley**

**Building Trades "Joins"  
the Learning**

**ACC-ROE Educator and  
Support Person of the  
Year**

**Around the ACC**

## Automotive Makes “Sense” of Tire Repair

*That’s not your father’s spare tire!*



Top: Mr. Fisher instructs his students in programming the tire sensor pads with the programming device (middle). Bottom: A tire sensor mounted on the rim.

Anyone who has purchased a new car within the past 10 years, knows that amongst the many bells and whistles that come with them, is the ability to sense when tire pressure is inadequate. This ability brings with it, an extra bit of required knowledge that makes basic car repair (tire changing) not so basic anymore.

Within each tire, attached to the valve stem, is a pressure sensor that communicates with your automobile. This communication works differently in each brand of vehicle, but basically think of it as a proximity device that works like your Bluetooth devices. Each tire sends a signal to the cars computer that reports on the pressure that it is sensing. Each tire identifies itself and its pressure reading. From there, your cars computer decides as to whether the tire reporting is within acceptable limits or is in need of air to be added. If air needs to be added, you receive a notification on your dash in the way of a light or a text message. This system works well, except when a few situations occur.

Depending upon your type of car, the pressure sensor may report the incorrect tire that is in need of air. This can happen for a number of reasons. It may be that a repair shop rotates your tires (or replaces) and forgets to reprogram the computer to tell it which tire sensor belongs to which tire. For this reason, when you have tire work done you should ask to make sure that the mechanic has done the necessary reprogramming. Not all cars work in this way, a number of cars use sensors that work on proximity, in that they have multiple communication points on the car, and those points are able to identify the tire that is closest to them. Either way, making sure the proper sensors are communicating is now a necessary check when you get work done on your tires.

## A Subsidiary of *Stark Enterprises*?



One of the greatest advantages of CTE classes is the ability to allow students to merge their creativity, interests, and skill development. In a superb example of this intersectionality, student Chris Bergeron in Mr. Matt Lee's Machine Technology class achieved this success in his fashioning of an "*Iron Man*" ©Arc Reactor. (A second Arc Reactor was made by student Seth Davis).



To complete this project the students' combined skills in running the mill (to fashion the design he is holding), with running the lathe (upper left--to hold the electronics for lighting the replica). Once finished on the machines, the students used one last skill set in working with different materials (plastics and aluminum) combined with electronics to fashion the aesthetic displays for lighting up the Arc Reactor. Aside from the skill set in Machine Technology, the students employed a great deal of geometry and mathematical precision to achieve their results.



Student of the Month  
 Name: Alyssa Keigley  
 Home School: Putnam County **HS**

# Building Trades “Joins” the Learning



Pictured above is Putnam County student Alyssa Keigley with her Cosmetology instructor Mrs. Trista Harsted.

According to Mrs. Harsted, Alyssa has been an asset to the Cosmetology program. Her willingness to help her classmates, as well as her attention to her excellent academic performance make her a top performer in her class.

Cosmetology students are offered a scholarship to attend the Educators of Beauty if they decide to continue their education and obtain a Cosmetology license.

**Excellent work Alyssa, we are proud of you and are glad you are a part of the ACC!**

Building Trades is a class that is designed to teach students the major elements of constructing a building. These elements include framing, rafters, stairs, and finishing work. Included in every aspect of those major areas of study is the concept of joining the requisite parts together.

Mr. Harold Burr introduces the concept and principles of joining as a sub-category of study in his Building Trades class. Mr. Burr includes instruction in the seven major types of joints that can be used to connect wooden systems together. Each type of joint has a specific purpose (as some are stronger than others, and some lend themselves to use in specific situations). The seven types of joints are: butt joint, dowel joint, box joint, bridle joint, mortise and tenon joint, biscuit joint, and lap joint.

Pictured below are students Koby Hayes and Ivan Gutierrez of De Pue who work on finishing a Keepsake Box that uses **box joints** to seam the sides together. Once finished, the sides of the box will be connected together in such a way that they will gain strength from their interlocking parts, as well as provide a unique aesthetic that will add to its appeal.

If you would like to learn more about different joining methods [this website](#) provides great examples



# ACC Educator and Support Person of the Year



## Mrs. Lynne Pohar

Mrs. Lynne Pohar was chosen as the ROE Educator of the year for the ACC. Currently, Lynne is in her fourth year of teaching after having come to the ACC from the private sector. In that four-year period of time, she and her aides have maintained a solid success rate on the state CNA exam. That success rate has consistently exceeded 90%.

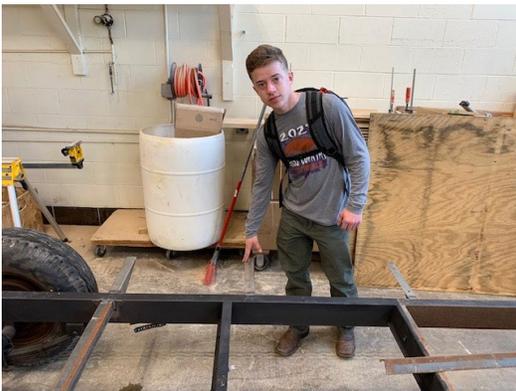
In addition to her solid performance in the classroom, Lynne has also ingratiated herself amongst her colleagues. Those relationships are the hallmark of a solid and well-rounded educational professional. The ability to relate to one's fellow human beings, allows oneself to deliver the message that needs to be sent. Lynne has achieved that goal and has garnered the respect of her peers, as this award was voted on and given to her by them. **Thank You Lynne** for being a part of this team!

## Mrs. Jeanette Maurice

Mrs. Jeanette Maurice was chosen as the ROE Support Person of the year for the ACC and SRAVTE. Jeanette has served for many years in a diverse set of roles for both the SRAVTE and ACC offices. Currently, Jeanette manages the Special Populations projects for the SRAVTE office, and helps support the ACC by doing attendance, and managing the certifications that are earned by the ACC students.

Jeanette was selected by her colleagues for a variety of reasons. However, chief amongst them is her willingness to engage both students and adults with opportunities to expand their learning. Whether it be by organizing summer extended learning activities, or offering career exploration events, Jeanette is firmly focused on helping the students find their potential career path. We are **blessed** to have her as a colleague! **Thank You Jeanette!**

## Around the ACC



**Top (Center -Right):** Students and clients in Mrs. Lori Johnson's Child Care class work together to develop their social and creative development skills. Children engage in play with modeling sand and "Slime" that the child development students made. **Top Left and Left:** Student, Ryan Hartman points to supporting devices that he and his classmates added in their welding class (to assist building trades in their tiny house project). The trailer will be mounted with a tiny house (built by the Building Trades class) for a local developer in Utica. Students in Mr. Villarreal's welding class joined students from Mr. Burr's Building Trades class to begin collaboration on the project. (More pictures as the house evolves)



**Above:** Students (and Instructor Mrs. Lori Turczyn), work on completing a catering service for the LPHS athletic department. Students baked and decorated cakes and cookies that were later served at the awards ceremony of the athletic department. Pictured are Right: Savannah Vowels (LP) & Allison (Luna) Smith (LP) Middle: Zofia Uzella (PC), Brooklynn Stohr (LP) Morgan Roberson (LP) Left: Adrian Dimas (LP), Allena Pabian (LP), Stephanie Funfsinn (LP)

**For Your Enjoyment:** The artistic stylings of the Child Care class pre-school students. Students used a shadow box approach to express their unique interpretations of the animals presented.

