

CTE



# Career Technical Education at Lakeview High School



SUBMITTED PHOTO

Senior Lea Kelley unveils the new RC car donated by SquareOne Education.

## Automotive program prepares for upcoming R/C car competition

By Senior Writer,  
**Abby Haas**  
For The Macomb Daily

As the spring of 2018 is approaching, the Lakeview High School automotive program is beginning to prepare for a radio controlled car competition held in Ann Arbor at the MCity Test Facility.

This will be Lakeview's fifth year participating. Automotive teacher James Schneider was invited to this event by Chippewa Valley High School automotive teacher Joe Hart, who is head of the competition.

Lakeview is also working alongside 'Square One Education Network' on this project. Square One gives grants to schools to provide innovative STEM (science, technology, engineering, mathematics) programs. Along with giving Lakeview an RC test car, Square One also granted \$750 to make renovations to the car.

Junior, Noah Bloss is in charge of the project and is a three-year member of the automotive program.

He stated, "Square One gives us a 'stock car' and a grant. From there we use the grant to build onto the

car to test the car's speed, durability, suspension, wind resistance, and basic things like that."

Although the competition is not until May, the auto shop is already preparing for this event.

Schneider stated, "The kids have to do an outreach where they are required to reach out to 100 young people and showcase what they are working on."

Bloss added, "We hope we can go to the middle school and have an assembly to show the kids what RC racing is all about. For the elementary schoolers, we think it would be a cool idea to put the cars in 'training mode' and have the kids play around with them."

Last year, the program received first place in the presentation category of the competition.

This year their goal is to win in a category that involves racing the car.

With all aspects of this operation coming together, the students are looking forward to bringing an exceptional car to the competition to showcase what the Lakeview High School automotive program is all about.

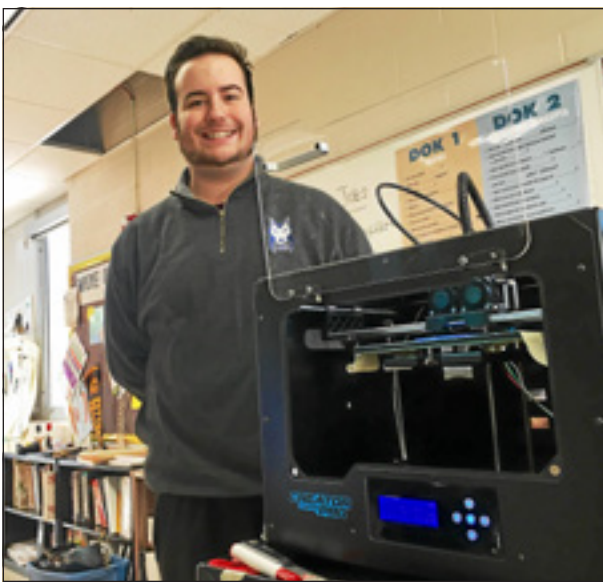
## Engineering class sells 3D printed ornaments

By Junior Writer,  
**Jessica Vandermaas**  
For The Macomb Daily

Five years ago, when teacher Jolaine Price took over Lakeview High School's drafting program, students converted from drawing with a pencil and paper to designing on the computer software NX, a product of a partnership between Siemens and HP. The program, which can be seen in the offices of companies like General Motors, Chrysler, and Nissan was introduced along with Creator Pro and MakerBot three-dimensional printers to allow student designs to come to life.

"The class mission is to design and build," Price stated.

This past holiday season, students designed, engineered, and sold 3D-printed Christmas ornaments. The ornaments



SUBMITTED PHOTO

Senior Kegan Malcolm shows off the Creator Pro 3D Printer.

were advertised to families throughout the district via an online order sheet as well as sold at the school band's annual craft fair held in Novem-

ber. The ornaments varied from bells to snowflakes to many that were Husky-themed.

Sophomore Joel Sebastian hopes to pursue en-

gineering as a profession and feels that the class will assist him in creating a foundation for his future.

"This class is a time for me to really understand how to be a technical engineer," Sebastian stated.

As for the construction of the ornaments, he felt it was an additional experience to help build skills for his future career. His favorite ornaments produced were the Stormtrooper helmets, as seen in Star Wars.

Senior Kegan Malcolm, who has passions in architecture and skills in mathematics, values the mechanics and technicalities that come with producing the ornaments. "Putting together and seeing the manufacturing side to the process has been really cool," Malcom concluded.

To get ornaments of your own, visit the Lakeview High School website.

## Students gain experience through the Teacher Cadet program

By Senior Writer,  
**Alicia Bullaro**  
For The Macomb Daily

The Teacher Cadet program at Lakeview High School gives students the opportunity to gain firsthand experience teaching. In this program, students travel to one of the four in-district elementary schools and aid in a classroom.

In these classrooms, the cadets work with students in a one-on-one setting and sometimes conduct whole-group lessons in front of the class. This is a great way for the cadets to get an understanding of how to run a classroom.

Conducting lessons provides opportunities for cadets to self reflect. Senior Trent LeFever stated, "I sometimes get to explain a math lesson in front of the class instead of their teacher."

It's really cool to get experience like that to know what kind of a teacher I would be." They also help the teachers with paperwork and grading.

The classroom teach-



SUBMITTED PHOTOS

Senior, Sarah Perez, helps students with technology during Teacher Cadet.

ers would rather the cadets focus on instruction than much of the paperwork that comes with the professions.

Katie Fisher, '18 said, "I work for a great teacher. She doesn't give me too much work because she wants me to be with the kids more than doing paperwork all the time."

The students are re-

quired to do 20 hours of voluntary community service, which reflects the number of contractual hours teachers in the district must do in one school year - another way in which the program gives the students an understanding of the requirements of being a teacher.

The program allows cadets to make a more edu-



Trent LeFever gives one-on-one assistance to an elementary student

cated decision on whether or not teaching is a potential career choice. In a 2017 survey of college freshmen, just 4.2 percent say they will major in education.

This is compared to the 11 percent in 2000.

The Teacher Cadet program is looking to get students interested in this field early on so that more young people will pursue this career in the future.

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