NASA’s next trip to the International Space Station may be carrying hardware created at the CTE Center at Olean by the Product Design and Manufacturing class. Working with NASA’s “The Hunch” Outreach Program, Jim Hilyer, Product Design and Manufacturing Teacher, has engaged his students in a class project to design and manufacture latches for stowage lockers that will be placed on the International Space Station.

“The students were given an old board drawing from the 1980s from NASA. From that drawing, the students had to recreate it using 3D CAD software and then had to actually make them,” commented Mr. Hilyer.

“NASA supplies the material as well, but the students have to figure it all out,” he continued.

Student Korryn Martin was the project lead on this NASA project. Korryn had to model it in 3D and test it with wax. Once they got it right, they programmed the rough cut. After passing that test, the class did the same thing with the material supplied by NASA on the CNC Mill. According to Mr. Hilyer, a NASA official would come to the class every two weeks to make sure everything was going right. “When they are finished, we will hand them over. This may be the most complex part we have ever made for NASA,” added Mr. Hilyer.

Korryn, student project lead, thought it was pretty cool to know she made parts that were going up in space, “and they were actually going to be used for something,” said Korryn. Although she didn’t think the project was too hard, she admitted it took a while. “A lot of times something little was wrong, and then we had to change the whole program,” added Korryn. It may have taken a while to get it right, Korryn said, “It was a pretty decent accomplishment.” Her experiences in the Product Design and Manufacturing class has led Korryn to look at colleges to attend for CAD Design and get a job in that line of work.
Three Media Communications students from the CTE Center at Belmont took first place in the Chapter Display competition at the SkillsUSA state competition in Syracuse, NY. Rylee Peacock, Trenon Zeager, and Jessica Dixon took on the task of developing a chapter display that had to follow specific contest rules. The rules indicated that the display had to include the concept of nature and its form, it had to use technology to showcase the information, and had to be easily transportable.

Working with the SkillsUSA theme of "Champions at Work," the three students decided to incorporate the concept of nature and its form with the design of a bee hive. The students chose this concept because of the ability of honey bees to work together to get the job done no matter what challenges they face. The students focused on the hexagonal shape of the honeycomb as their representation of nature.

The finished design featured a large central hexagon to project video and other smaller cells establishing the honeycomb pattern to hold various images that were back lit. The video featured an interview local business leader and CA BOCES Board Member, Charles Joyce, President of Otis Eastern Services, Inc. The video emphasized the importance of career and technical education and how it impacts local business.

After six months of hard work, the students' effort really paid off when they awarded the coveted first place. From here the students will compete with the best in the nation at the SkillsUSA national competition in Louisville, Kentucky in June.

SkillsUSA mission is to improve the quality of America’s skilled workforce through a structured program of citizenship, leadership, employability, technical and professional skills training. SkillsUSA serves more than 300,000 students and instructors annually. The organization has 13,000 school chapters in 54 state and territorial associations.
BELMONT AND OLEAN NEW VISION-HEALTH PROFESSIONS PROGRAM VISITS DAEMEN COLLEGE

On Wednesday March 22, 2017, the New Vision-Health Professions students from both the CTE Center at Olean and the CTE Center at Belmont visited Daemen College.

Students received a campus tour. The tour included the Business building, the Wick student center, which houses the cafeteria, the Athletic facility, the Center for the Visual and Performing Arts, the freshmen and upper level residence halls, and Schenck Hall which houses laboratory facilities and classrooms.

Students visited the gross anatomy lab with Dr. Gary Styn. Dr. Styn explained how the college attains the cadavers, how the professors and students take care of them, and what happens to the cadavers when the students are done with them. Dr. Styn described the technology that Daemen students use while studying in the lab. Then students were able to view some cadavers and hold some human organs.

The Admissions Department presented to the students. The admissions counselor talked about the requirements for admission, the application process, various programs offered at Daemen, tuition, and college life. Students were given a “Health Promotion” presentation where they discussed various careers in health promotion.

To finish off the day, everyone had lunch in the cafeteria. The students had a great day!

Ms. Andrea Kosinski and Mrs. Jennifer Militello try to take the New Vision-Health Professions students to Daemen each year. The students take Anatomy & Physiology through the program, so giving the students the opportunity to view human cadavers is an exceptional experience for them. Mrs. Militello and Ms. Kosinski think that getting students on a college campus to better prepare them for their own college experience is important as well. Usually each year, a couple of New Vision-Health Professions students attend Daemen College.
Media Graduate Receives 3 ADDY Awards through the American Advertising Federation in Buffalo

Media Communications Technology graduate of the class of 2013 from the CTE Center at Olean, Courtney Ewings is currently attending Villa Maria College in Buffalo for Graphic Design. As a senior at Villa this year Courtney has been making a name for herself in the design world. In March, Courtney was awarded multiple ADDY awards through the American Advertising Federation (AAF) Buffalo. The annual event known as the ADDY’s, was held on March 10th and Courtney was one of 8 Villa students that earned a combined 11 awards including one of the night’s biggest honors, Student Best of Show.

- Courtney was awarded the Silver award for Private Stache, Packaging Design project

SKALD – Villa Maria’s Annual Student Work Publication

- Courtney was part of a team awarded the Gold award for SKALD, Book Design
- Courtney was part of a team awarded Student Best in Show for SKALD, Book Design

“Prelude” Senior Graphic Design Show

Media Communications Technology Teacher, Amber Christensen had the opportunity to attend Courtney Ewing’s Villa Maria Senior Graphic Design Show “PRELUDE” on Friday, April 21 at the Buffalo Arts Studio on Main Street in Buffalo, NY. Each senior graphic design student was asked to create a branding campaign for a fictional business. Courtney created her branding campaign for Peruvian Acres Boutique that was intended to educate locals about the unique alpaca population and sells alpaca fiber products and holds knitting and spinning classes. Courtney chose this topic because the majority of her time as a child was spent photographing, training and playing with alpacas on her family’s alpaca farm. In Courtney’s bio she stated “From an early age, I knew my future would revolve around art, but it wasn’t until a high school multi-media and communications course that I found my bearings in graphic design.” Courtney is still driven to continue expanding her knowledge of all things artistic and enjoys the communications aspect of the industry. As her academic days draw to a close, she is excited to see where her passion, creativity, and ambition will take her. Courtney will graduate in the next few weeks and will walk into a full-time position in Buffalo working for a printing and advertising company that started with an internship while attending Villa Maria College.

Teacher Amber Christensen and former student Courtney Ewing
Students in the Animal Science class at the CTE Center at Olean were prepared for screaming, kicking, and spitting Alpacas while they participated in the Alpaca shearing at Mager Mountain Alpaca Farm in little Valley, New York. Animal Science Teacher, Lynn Telaak, let them know in advance that they may find the shearing a bit unnerving when they hear the noises coming from the Alpacas, but not to worry because the animals aren’t being harmed, just a little annoyed. The fore warning worked because the students seem to take it in stride. Junior Anjolie Cole said, “I got spit on and head butted – it happens.”

For a few years now, Mrs. Telaak has been taking her students to a shearing at Mager Mountain Alpaca Farm. This year, 40 alpacas from five farms were sheared. “It’s quite a process. The alpacas are restrained by all fours and a pulley system stretches them out and lays them down,” said Mrs. Telaak. She noted that the shearer can get all of the fleece off the animal in 5 to 6 minutes. The animals scream and put up a fuss, but none of them are harmed in the process. “Afterwards, we gather the fleece and weigh it. Then the alpacas get their teeth checked and toes trimmed,” added Mrs. Telaak.

All in all, they collected 50 to 60 bags of fleece. According to Mrs. Telaak, depending on the grade of the fleece, it will be made into yarn or felt.

The students Mrs. Telaak brought with her all had specific jobs. Some of them led them animals to the shearer, some gathered the fleece, and some weighed the fleece. Maddie Hollamby, a junior in the Animal Science class said her job was to collect the fleece. “It was really cool. The fleece was soft,” said Maddie. When asked if the screaming bothered her, Maddie laughed, “Not really, the alpacas were like drama queens.”

Other juniors, Clare Manion and Brooke Andera, really enjoyed being part of the process and exclaimed they would do it all again.
The Culinary Arts students at the CTE Center at Belmont were treated to a visit by the Alfred State Culinary instructor and five students; three of whom are alumni of the Belmont program. Chef Joseph Fusco, instructor of the Belmont Culinary program, enjoys having the Alfred State program over in order to get his students prepared for classes at Alfred.

Chef Fusco let the Culinary Instructor for Alfred State, Keith Glover, and his five students take over the class at Belmont to learn something new. The lesson for the day was a fresh flour tortilla with marinated pork belly, fresh pico de gallo and a chipotle lime sour cream. “It’s great to see the students work on something upscale,” said Chef Fusco.

While the students were rolling out their tortillas, Austin Winans, Alfred State freshman and 2016 graduate of the Culinary Arts program at Belmont, reflected on the day. “It’s nice being back today; like a trip down memory lane,” said Austin. Austin was letting the current Culinary Arts students at Belmont know what they might expect from the Culinary program at Alfred State. “It’s a lot of hands on. Day one you get right in the lab,” he commented. Austin also shared that he felt he was well prepared for the Culinary program at Alfred, “I already knew the standards of the food industry,” he said.

Current students of the Culinary Arts program at Belmont were enjoying their experience with the Alfred State instructor and students. Juniors, Jacob Whitesell and Sharyssa McKelvey thought it was a fun experience. “It’s nice to think that when I get home I realize – hey I can do this,” commented Sharyssa. For Jacob, the lesson gave him inspiration that the Culinary Arts program at Belmont, can lead to something good.
Alumni Austin Winans giving tips to Culinary Arts juniors Jacob Whitesell and Sharyssa McKelvey
Seven seniors participated in a winter survival course in February. At the end of the course they put what they learned to the test by building a pine-bow hut and sleeping in the snow overnight. The temperature got down to 22 degrees that night. Students learned what to wear, what to eat and how to build an all-night fire in order to stay warm.

The Junior Class just before they hit the 100 mile mark in the PE program. Students run every Tuesday and Friday, no matter the weather – rain, sun, snow, etc.
Nurses at the Olean General Hospital were treated to salon services provided by the Cosmetology Classes at the CTE Center at Olean in honor of Nurse Appreciation Day. The students started at seven in the morning ready to pamper any nurse that came to their venue. The students offered services such as eyebrow wax, hand massage, hand wax, hair curling and straightening, hair styling, and lip wax.

“It was fun and it feels good giving. The nurses were very open to the experience,” said Alexis Reska, a junior in the Cosmetology Class at Olean. The Cosmetology Class Instructor, Janet Filips, thought the students were ready for the task and also learned a few new things. “They had a male nurse come over for services and it was their first time with that experience. They did very well,” commented Mrs. Filips. “These students are getting experience they can’t get at school. Plus, I just love helping out the community,” Mrs. Filips added.
Students in the Natural Resources class at the CTE Center at Ellicottville participated in a professional chainsaw safety training on Friday March 3, which focused on tree felling techniques and safety. Recognized as the premier chainsaw safety training in the country “The Game of Logging”, Level 1 combines demonstration with competitive participation. This includes demonstrating knowledge of safety, chain tooth parts and function, bore cut technique and culminates with each student felling a tree. Game of Logging certification is required for anyone using a chainsaw on state forests in New York.

The “Game of Logging” training is one part of a three-part training for select students to receive New York Trained Logger Certification. Part two is a series of lessons in “Forest Ecology and Silviculture” delivered in class by their teacher, David Swaciak and part 3 is First Aid and CPR Training. Game of Logging Certification was made possible by a grant from the Northeast Loggers Association.

The instructor, Bill Lindloff, of PRO-Cuts, teaches chainsaw safety and logging productivity to hundreds of people each year including highway departments, fire and rescue volunteers, and professional loggers.

Students receiving Game of Logging and Trained Logger Certification include Seniors; Levi Bierfeldt (Cattaraugus-Little Valley), Ethan Blank (Ellicottville), Winston Hall (Randolph), Dakota John (Cattaraugus-Little Valley) and Juniors; Devon Bruno (Springville-Griffith Institute), Delain Geist (Cattaraugus-Little Valley), Jarod Haught (Springville-Griffith Institute), Paul Mesiter (Springville-Griffith Institute), Corey Meyer (Springville-Griffith Institute), and Edward Thiel, West Valley. Finishing the day with the highest score was Delain Geist of Cattaraugus-Little Valley.
Two seniors, Daniel Brown and Bryce Ordiway and two juniors, Dakota Witter and Kyle Young from the Welding Class at the CTE Center at Belmont competed in a Weld-Off at Niagara Orleans CTE Center. The seniors had to use the TIG process to weld stainless steel. The juniors used SMAW 7018. It was a great experience and Dakota won a ESAB auto darkening welding helmet.

Students from the CTE Center at Ellicottville competed in the Weld-Off as well. They were JUNIORS: Jarod Logel (Pioneer) and Daniel Everett (Franklinville) and SENIORS: Andrew Kraft (Pioneer) and Ryan Ucci (Springville). Andrew Kraft from Pioneer took first place in the Senior division of the competition.
It may take a village to raise a child, but it takes a CTE Center to make a hot rod. Well, it takes at least 4 classes to make a hot rod. At the CTE Center at Ellicottville, the Automotive Technology class, the Collision Repair class, the Welding class, and the Criminal Justice Class are working collaboratively to create the ultimate hot rod.

The collaboration was the brain child of the Welding teacher, Dave Poulin. “I’ve had this idea in the back of my mind for a couple of years,” noted Mr. Poulin. Pointing out at the students in his Welding class, he said, “All of these students love cars and trucks. They are constantly fixing and repairing. I thought they would really enjoy building their own hot rod.”

Mr. Poulin bought an old Chevy S10 Pickup from a junkyard. The vehicle was in rough shape, but the motor and transmission were good. Mr. Poulin brought the truck in to the Collision Repair class and under the tutelage of Instructor Ed Arnold, the students dismantled the entire truck. According to Mr. Poulin, once the truck was stripped to just a motor and chasse, it was moved to the Automotive Technology class with Instructor Tim Fisher leading his students in dismantling the engine, transmission, drive shaft and rear axle.

“While doing that, our class looked at the chasse and redesigned a new chasse for a hot rod,” said Mr. Poulin. According to Mr. Poulin, the Welding students and the Automotive Technology students recently set the engine into the newly fabricated chasse to make sure it fit. It did, and the chasse was brought back to Welding for finishing.

In order to bring the vehicle up to code, Tim Emley, Criminal Justice instructor, was brought in to the project. At the time, the Criminal Justice class was working on traffic stops and what to look for in vehicle inspection to make sure the students got everything right. The vehicle is still under construction. Once the rest of the pieces are in place, the hot rod will go back to the Collision Repair class, where the students will paint it. Mr. Poulin hopes the hot rod will be in operation by the end of the next school year.

“This project is about the experience of learning for all of us. All of our classes are learning new things. It introduces the students to dozens of techniques on how to assemble many components,” commented Mr. Poulin.