



Advanced Manufacturing
Industrial Technology Newsletter

Careers for a renewable and sustainable future

What have the Students been up too?



The STEM 2 students built electric guitars this year. They have completed the guitars and are working on creating guitar stands. An industry supporter was kind enough to send us a picture of a stand he had designed as a starting point. The students are looking at the design as an inspiration for their own design and are drawing their plans in AutoCAD. They will also create something unique to be engraved into their stand. The students' will then use Mastercam to toolpath their design and manufacture the stands on our Thermwood

Model 43. We added a new piece of equipment to the industrial technology program, a Universal Laser. The students are using ArtCAM to generate the vectors (geometry) of the design, then AutoCAD and Mastercam to modify and geometry. Pictured here is Cynthia with her design in front of the new



Universal Laser used to bring her design to life. The Production students are hard at work on this year's cabinet

job. They are building kitchen cabinets for a home in Morris, IL. The production class is also gearing up to do a job for



the University of Illinois on our new laser. They will be manufacturing small coasters for a U of I department to be used at trade shows. The coasters will have marketing information engraved into them along with the industrial technology program's web page hyperlink. Please contact us if you are interested in putting our program to work for you.

Pittsburg State University's Wood Technology Program

One of the Reed-Custer High School Industrial Technology students will be attending Pittsburg State University this coming fall. Nathan Minuth is finishing his senior year at RCHS. He has taken a number of industrial technology classes where he was exposed to AutoCAD, Mastercam, CNC equipment, and traditional wood-

working tools. Nathan will be earning his Woodwork Career Alliance (www.woodworkcareer.org) Saw Blade Certificate this semester. He is excited about the opportunity to go to PSU. This summer he will be attending the AWFS where he will help with two education sessions.



Upcoming Program Dates:

Field Trip to Brakur Custom Cabinets	Mar. 2019
Freshman Open House	Feb. 2019
Cabinet Job Installation	May 2019
AWFS-"Marketing Your Program & AutoCAD For The Wood Shop"	July 2019
RCHS College & Career Fair	Oct. 2019

What is Industry saying about our program:

- We need this type of curriculum spread throughout the United States. **Edward J. Provencher III-President at Div-Pro/Intech, Inc.**
- It's good to see we are teaching the trades again. The industry needs it. **Alen Albert-Lumbermen's Incorporated**

Advanced Manufacturing

Careers for a renewable and sustainable future

Mark Smith, Instructor
249 Comet Drive, Braidwood, IL 60408
mark.smith@rc255.net
marksmitheducate.weebly.com
[LinkedIn.com/in/marksmitheducate](https://www.linkedin.com/in/marksmitheducate)

Visit us on Facebook
www.facebook.com/rchsit

Visit us on Instagram
mark.smith.educate

Visit us on Weebly
rchsit.weebly.com

Woodworking as a Profession—Job Opportunities



Ricky Wells of 1220 Exhibits of Nashville, TN (www.1220.com) came to Reed-Custer High School two years ago to speak with the Industrial Technology students. He gave a presentation about the wood industry and 1220 Exhibits and was looking for students who had a desire to work in the wood industry. There were students who showed interest, so the industrial technology program took a field trip down to Nashville to tour 1220 Exhibits. The tour was educational and the students had a great experience. Two former RCHS students were interviewed last month at 1220 Exhibits and have been hired. This is the kind of industry and education link that needs to be in place all over the country. A mentor of mine always says, "when industry and education work together it is a "win-win" for everyone."-Wilf Torunski

RCHS is hosting a College and Career Fair during the fall of 2019. This is your opportunity to get your company in front of our students, students you could attract to your organization. **Contact us about the details at mark.smith@rc255.net**



www.woodworkcareer.org

Featured Industry Partner-Architectural Woodwork Institute-Chicago Chapter

Program supporters are essential for developing industry relevant learning experiences for students and aiding in the development of a future skilled workforce. Program supporters help with a wide range of important topics from curriculum development to facilitating award events. The featured industry partner is the Architectural Woodwork Institute-Chicago Chapter. (www.awichicago.org)



The AWI-Chicago Chapter is a nonprofit trade association founded in 1953. Today, AWI represents nearly 4,000 members consisting of architectural woodworkers, suppliers, design professionals, and students from around the world. The AWI-Chicago Chapter is a great place to net-

work, develop, and strengthen relationships with other chapter members. The AWI creates opportunities to learn about the latest trends from professionals in the architectural woodworking market, meet the manufacturers and suppliers doing business in the Chicagoland area, and attend educational programs to stay current with the industry. The AWI-Chicago Chapter participated in the Reed-Custer High School's Annual College and Career Fair Event this past October. Companies and colleges from all over the Chicagoland area were set up throughout



the school. The AWI-Chicago Chapter had a table where they talked with the RCHS student body about career opportunities in the wood industry. To view pictures and names of the other companies and schools that participated [click here](#). The AWI-Chicago Chapter, along with other wood industry members (Laguna Tools, Mastercam, and Resolute Sales) are supporting Nathan Minuth's attendance at the Association of Woodworking & Furnishing Suppliers Fair after he graduates this summer and prepares to attend Pittsburg State University. This will be a great opportunity for Nathan to network with other industry members and students, attend education sessions, and meet industry members on the show floor. Nathan will be attending Pittsburg State University in the fall with a double major in Architectural Manufacturing Management and Technology and Business. We all look forward to the great things he will do with these opportunities.

