



# What have the Students been up too?

Advanced Manufacturing  
Industrial Technology Newsletter

Careers for a renewable and sustainable future



The CAD/CAM 1 students have completed their entertainment centers.

They had to modify an existing design using AutoCAD and Mastercam and our Thermwood Model 43 CNC router. To see more go to <https://rchsit.weebly.com/cadcam-1--2.html>

This project provides traditional & advanced manufacturing skills. The contextual math part of this project was accurate measurement & calculating feeds and speeds to drive our CNC router.

Each student created their own design to be engraved into the top of the project.

We are adding a new software program to the Orientation to Technology class. ArtCAM will be used to generate the vectors (geometry) of the design, then AutoCAD and Mastercam to modify and toolpath. Pictured here is Kailie and her design.



**Veneer Tech, Franklin Adhesives, and CNC Software** have been instrumental in supporting the long board

project.

The Production class now



has a waiting list of jobs that is two years long. The current cabinet job was temporarily interrupted by building a set of bookshelves for the new grade school library. The library shelving system was missing items. It was easier for us to build them than order the missing items from Norway.

I don't mean Norway, IL.

## AWI Chicago Chapter 2017 Design Solutions Night

The Architectural Woodwork Institute Chicago Chapter ([www.awichicago.com](http://www.awichicago.com)) invited us to come to their Designs Solutions Night in Schaumburg, IL. Four students attended the event. They experienced presentations about difficult millwork jobs and networked with industry leaders.



Students at the AWI event

In their excitement they talked all the way home about the event. One student's parent told me her son has never been excited about school until now and he is also excited about the wood industry.



### Upcoming Program Dates:

nuHaus and Milesi Presentations	Nov. 2017
Freshman Open House	Feb. 2018
Cabinet Job Installation	April 2018
MITES Presentation-"Marketing Your Program-Are You Getting Anyone's Attention"	May 2018
RCHS Industry Trade Fair	Oct. 2018

### What is Industry saying about our students:

- It was wonderful to have you guys there (AWI Chicago)! I look forward to next year and strengthening the partnership between AWI and Reed-Custer. Hats off to the students who all made a big impact on our members!! **Mike Coticchio-Vice President of Operations at Cain Millwork.**
- Shop classes give students practical applications for math Nothing helps students lock in math principles like hands on application . Kudos to Inter Ocean for supporting Reed-Custer students ! **Joseph Orr-Union Millwork Installation Carpenter at Herner Geissler**

# Advanced Manufacturing

Careers for a renewable and sustainable future

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[www.woodworkcareer.org](http://www.woodworkcareer.org)

## Woodworking as a Profession—Job Opportunities

We are always looking for industry partners to provide job opportunities for students after high school or post-secondary school/training. Through phone, email, FaceBook, LinkedIn, Instagram, or face to face we converse with companies who are looking for the next generation of talent. This past year has been no exception. Companies all over the united states have been contacting us looking for skilled people; states like Kansas, Kentucky, Illinois, New York, Ohio, Tennessee, and Texas. This speaks volumes about the current skills gap in the wood industry. Each conversation goes the same, “We can’t find people with the necessary skills to fill the vacancies left by our retirees. Last semester I toured Brakur Custom Cabinetry, Inc ([www.brakur.com](http://www.brakur.com)) in Shorewood, IL just up the road from us. Everyone in the place was middle age or older and had worked there for years! Not many young people!

RGHS is planning on hosting a Career Fair during the fall of 2018. 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](mailto:mark.smith@rc255.net)**

## Featured Industry Partner-Taylor Guitars

Industry and education are finding common cause in preparing a highly skilled workforce to preserve our competitive position and economic opportunity as technology changes and global competition increases.

This common cause has us motivated to develop industry partners who are providing teacher training, technical support, field trip opportunities-virtually and on-site, donated materials and equipment, providing demonstrations, internships, equipment repairs, trade journal subscriptions, trade show attendance, supporting with student projects, and careers.

In this edition our featured industry supporter is **Taylor Guitars**.

[www.taylorguitars.com](http://www.taylorguitars.com). They have supplied us with acoustic guitar parts for the last six years. They also create educational videos to support general education about wood and the wood industry.

Headquartered in El Cajon, California, Taylor Guitars was founded in 1974 by

Bob Taylor and Kurt Listug, and has grown into the leading global builder of premium acoustic guitars. Taylor employs over 900 people and currently produces hundreds of guitars per day in its state-of-the-art factory complexes in both El Cajon and in Tecate, Baja California, Mexico. The company maintains an active dealer network, with Taylor guitars sold through hundreds of retail locations in North America and with international distribution to 60 countries, including a distribution warehouse and factory service center in the Netherlands

Because of their material donations, students are engaged in project based learning. This helps students to acquire a wide range of skills such as, but not limited to; accurate measurement, collaboration, communication, CNC operation, creativity, critical thinking, decision making, finishing, math, material handling, layout, listening, present-



[www.taylorguitars.com](http://www.taylorguitars.com)

ing, power tools, problem solving, safety procedures, spatial analysis, and computer skills. Thank you Taylor Guitars.