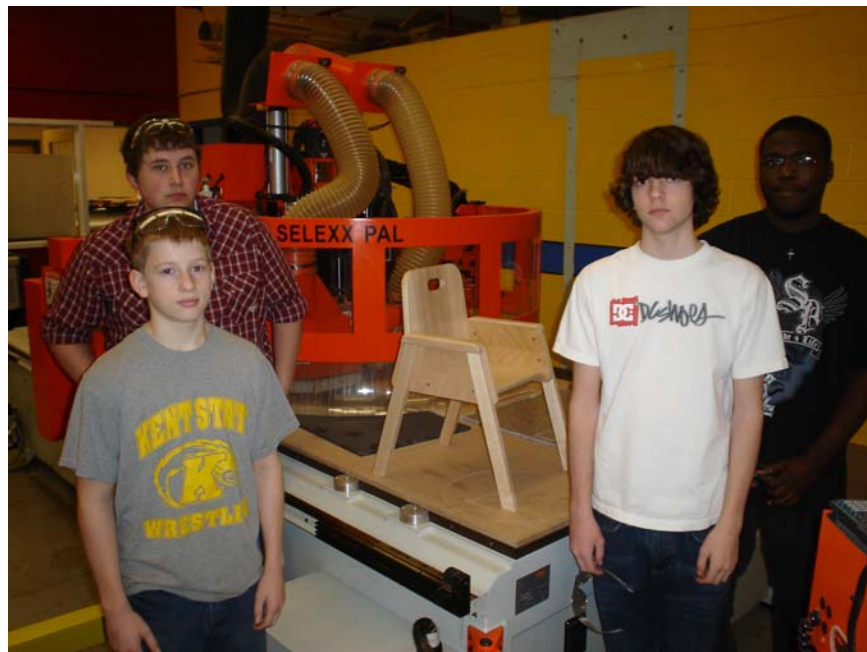




Theodore Roosevelt High School  
WoodLINKS Cabinetry Program  
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Kent, Ohio 44240

## Community Projects Come to a Close

Kent, Ohio- WoodLINKS Cabinetry students from Theodore Roosevelt High School have been diligently working this winter on projects for the school community. Working on these projects and seeing how all the parts come together is a vital part of preparing the students to design and construct their



own custom piece of furniture second semester. These projects have ranged from a roll around stereo cabinet for Roosevelt's Band and Orchestra to record in house tracts to a Lost and Found Cabinet for one of the districts four elementary schools. The team that worked on this project was able to incorporate the schools Epilog Laser Engraver into burning the logo of the music department into the raised panel as well as implement the 5 hp shaper into making the lock miter joints that were used to assemble the cabinet. Another unique project was the building of special chairs for an Autistic Preschool class. Junior, Nick Doershuk was able to operate the Omnitech CNC router and cut the dados into the sides and then have the machine cut out the sides. Doershuk commented "I have been wanting to work the router for sometime on something and this was a great opportunity to do so." Community members hear by word of mouth about the opportunities for TRHS' WoodLINKS Cabinetry students to fulfill a project need and inquire regarding the creation of the said project.

Cabinetry instructor, Troy Spear, fields requests from throughout the district and the community at large as well. "My goal," he says "is to expose my students to new

materials, processes and techniques that they can utilize and hopefully get a handle on the how and the why to implement into their own personal projects.” More times than not Spear went on to explain, the projects are a great way to introduce students to common everyday materials in the industry and make the learning applicable to a real project. The Lost and Found Cabinet, the second period class is working is a great example of just that.

Second year Cabinetry students Nick Doershuk, Chad Sisk and Joe Shanes worked together and designed the eight foot long cabinet in Microvellum and then produced reports for the Cabinetry I students to build from. Sophomore, Brady Weber was an integral part of getting the cabinet to the construction stage. “I enjoyed using our Altendorf to process the panels for this project,” he said. He and his team were able to cut the joinery for the cabinet with the programs table saw and a freehand router. Both techniques were demonstrated to the class so they can be incorporated into students’ personal projects.



Both classes of students have been able to take a part in how a cabinet can be built in either European or American styles. A challenging project for one group was two wall hanging cabinets that contained a divided light door. The door is to have twenty-one panes of glass in it. Each pane of glass acts as a picture frame for the band or orchestra’s Hall of Fame inductees. “I enjoyed leading my students through this project because of the complexity in the construction of the doors,” Spear said. “It reminded me of a mahogany hutch I made a while ago.” Because of the weight of the door, the students created mortise and tenon joints to hold the frame together and notched the



muttons into both the stiles and rails by hand. Cabinetry students once again learned first hand how to create custom stile and rail doors using both the shaper as well as the router table. “I know that even if my students do not go onto a professional career in woodworking, they will have experience with multiple machines in making items and projects of all sorts,” Spear concluded.

