

# FRASER HIGH SCHOOL: Focused on Every Student's Success!

## Woodworking Technology — concept to reality

**Mike Sand**

FHS CTE Facilitator

Fraser High School offers three levels of woodworking technology courses; a one semester general interest class followed by intermediate and advanced programs that can run the entire school year. Although an elective program, students entering these classes will gain valuable skills which they will surely use their entire lives. Talents they will utilize for employment opportunities, consumer awareness and personal enjoyment.

The beginning course covers the fundamentals of teamwork, safety, measurement, layout, hand tool and basic machine operation. Students draw simple plans using drafting tools then create a scale model of the project they drew. Here they apply the essential skills of orthographic projection, assembly techniques and the use of an architectural scale. Standard operating procedures, organizational skills, quality



control and good housekeeping skills are emphasized heavily. Once his or her skills are perfected, the student moves through a series of operations that involve the proper use of hand tools and machinery set up. Small but useful projects are manufactured that instruct the individual on quality and craftsmanship.

Intermediate Woodworking students are introduced to the world of construction technology. A wide variety of building materials, joinery, fasteners, adhesives, laminates and finishes are introduced and utilized by the participants. Construction terminology, blueprint reading, machinery set-up and maintenance are

integral parts of the instruction directed toward this level. Here students construct full scale projects in accordance with exacting standards and "real life" practice. Examples of projects completed at this level include: small furniture, cabinets and useful home accessories. All quality projects (at any level) are eligible for entry into the regional Michigan Industrial & Technology Education Society (MITES) completion held each spring.

Those who continue on to the Advanced Woodworking program will enhance their abilities by accepting challenges they are going to face on a job site or production facility. This year Fraser High School has partnered with Macomb County Habitat for Humanity to build tool sheds and picnic tables for various job sites around the county. Advanced woodworkers will build floors, walls and trusses to create portable structures that will be moved to the job site when

completed. Work will include hanging doors, applying siding and trim as well as roofing each building. These "tradesmen" and women will also utilize professional techniques to paint and stain the structures.

Today's learners need hands-on skills along with technical abilities to compete in this ever changing world. Opportunities abound in the areas of construction, facilities management and building maintenance. Related fields include: design, architecture, real estate development, property management, civil engineering, the insurance industry, and more. Consumers and homeowners must also be wise when planning or undertaking building or home improvement projects. Our young people today are the builders of the future. They must be responsible, have talent, pride, dedication and a strong work ethic. Fraser High School is proud to help them lay the groundwork for a better tomorrow.

## The new Rambler 'WearHouse'

**By Nicole DeLuca and Kalaway Voss**

As the students walk through the doors of Fraser High School's new school store, The Rambler WearHouse, they are amazed. It is almost twice the size of the old store, full of new spirit wear, and the blue and gold floor makes it that much more inviting.

Students enjoy the large selection of food and drinks, along with the variety of clothing, ranging in price from about \$8.00 to \$40.00. Featured clothing includes brightly colored T-shirts, fleece jackets, sweat pants, hoodies, and nylon jackets. Food selections range from chips to granola bars, including candy, cold beverages, and hot chocolate and cappuccino.

**The next CTE page will feature Mount Clemens**