

Woodworking with Tom

- St. Joseph Sr. Center
- Ages 6 and up, Parent present for students under 10.
- Assigned guardians are OK. One parent can represent multiple students.
- Class time: Section 1, Monday 9:30 - 11:30 Begin September 11
 - Section 2, Monday 12:00 - 2:00
- Minimum 6, Max 10 per section. Class may be repeated
- Location: St Joseph, Lincoln Senior Center, 3271 Lincoln Ave, St. Joseph, MI

This is a project based class. We will make small toys, furniture, Wildlife related and kitchen items while learning basic craft skills. Projects will be adjusted to the experience and needs of the group. Open to any skill level. Class may be repeated. Parent participation is required. Class will be held in the St. Joseph/ Lincoln Senior Center Woodshop The shop is set aside for Homeschool use by Tom on Monday. All materials are provided. Safety and expectations will be reviewed at the first class.

Woodworking at Andrews Architecture

- Class Time. Wednesday 3:45- 5:45, First class September 13. Continuing for 8 weeks.
- Ages 8 and up. Parents welcome but not required
- Minimum, 8 students, max 16.
- Location: Andrews University, Architecture workshop
- Class is held in the Arch. woodshop. 8435 E. Campus Circle Drive, Berrien Springs, MI

The class is open to all partnership students but timed to accommodate Berrien Springs public and private school students. Slight time changes are possible to meet group needs.

This is a large well equipped modern shop.

The focus will be on a furniture project. Past projects have included benches, end tables, coat racks, boxes, chairs and more. Actual projects will be selected based on experience of the group. All projects are "Make-it, Take-it home" We will also create turned wooden pens and create a custom item with the CNC router or Laser engraver. All materials and safety glasses are provided. Shop safety presentation and required paperwork will be processed at the first class. A detailed email will be shared with parents after enrollment and before the first class.

Bicycle Repair for homeschool students.

Class time: Wednesday 10:00 - 12:00 AM

First class September 13 continuing for 8 weeks

Location: Cycle Re Cycle Bicycle Shop. 159 E. Napier, Benton Harbor, MI

Ages 9 and up, Ability to work independently required.

Minimum 6 students, Max 8 per section,

This class will empower your student to repair their own bicycle and understand basic mechanical systems. Highly recommended for female and male students.

A program of Cycle Re Cycle. A non profit dedicated to improving the lives of Southwest Michigan residents by promoting bicycles and cycling throughout the community. L'earn-A-Bike students spend time in the shop learning to rehabilitate bicycles and do basic repairs. As the class progresses, students will have the opportunity to select a bicycle to rehabilitate or bring their own bike to repair at no cost except new parts. The project bike can go home with the student.

Skills covered will include: Repairing and replacing tires, tubes and wheels, Brake maintenance, Drivetrain repairs and tuning, Adjusting proper fit, replacing and adjusting cables, replacing safety and comfort items, lubrication and bearing maintenance. At the conclusion of the class students should have the skills needed to maintain their own bicycle and assist others.

Historical Crafts at Tillers International

Animal power with Horses and Oxens
Blacksmithing and Forging
Traditional Woodworking with Hand Tools
Rural Arts, broommaking, ropemaking and wheels.

Class schedule

Organizational meeting, September 21. 4:00 PM in Berrien Springs, Andrews University.
September 28, 9:30 - 4:30, October 12, 9:30 - 4:30
Presentation meeting Time/date to be determined by group.
Ages 8 and up Under age 12 parent or guardian present required.
Minimum 10 students, Max 22.
Location: Tillers International, 10515, OP Avenue, Scotts, MI 49088
Website. TillersInternational.org Look it up, You will like.

This is an experiential education program. Students will drive horses or oxen, Learn about animal training and care to create the bond between animal and teamster. They will forge iron into useful items in the blacksmith shop under the guidance of experienced smiths, Using traditional woodworking tools they will Make an item from locally available woods. They will learn about and participate in activities to make brooms, weave strong rope and learn about how to make a functional wooden wheel. Consider this class an introduction to the educational possibilities at Tillers International.

We will have an organizational meeting early in September to present Tillers International, discuss proper dress, lunch, safety issues and transportation. We will also discuss a follow up presentation of creative pieces from the activity. You will be responsible to get to the class

location. Tillers is about 60 miles from Benton Harbor. We have made the class an intensive two day program to minimize transportation. Carpooling is encouraged.

Day 1. Making stuff. **Blacksmithing**, Spend a three hour session in the Blacksmith shop learning to heat metal and form it into useful items, learn about tempering steel, reading metal temperatures by color, twisting and bending metal into useful shapes.

Woodworking, Use traditional hand tools such as planes, saws, shaving horse, auger bits, squares, and wood lathes to make an item from a rough block of wood to a usable item. Bring your muscles, You provide the power.

Day 2 **Working with Draft Animals**. Learn about and drive or ride along with Tiller's well trained draft horses, donkeys or oxen. These are impressive animals. They are the primary power used to work the land on the demonstration farm. Animal care is key to establishing a bond between draft animals and their handlers. Be prepared to learn more about a good animal-human relationship. **Traditional Crafts**. A rural community required much more than just farm tools. Make rope, from raw twine, learn about broommaking, the role of making and servicing wooden wagon wheels, and the village bucket and barrel maker, More hands on activities

Students must attend both days to meet attendance requirements.

Follow up presentation meeting. Students will present a work inspired by their time at Tillers. Can be a 2D art item, A project made at Tillers, a written or musical work. Age appropriate of course.

Parents: You will want to join the class. Tillers offers classes in many traditional arts for adult learners. They regularly put together activities for youth groups. All of this is to support the international mission of the organization and preserve traditional skills. Your leader for the trip will be Tom Hurst. Tom has taught many classes at Tillers, is a former board member and regular consultant on classes and international projects. This class could lead to more offerings through the Berrien Springs Partnership.