

## **Bicycle mechanics and repair.**

### **L'earn a Bike for homeschool students.**

Students “earn a bike” by learning to work on bikes.

Instructor: Tom Hurst

Class time: Section One Thursday 10:00AM - 12:15 PM  
Section Two Thursday 1:00 PM - 3:15 PM

First class January 21, 8 weeks

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

Ages 10 and up, Ability to work independently required.

Minimum 6 students, Max 8 per section,

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 as their own at no cost.

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.

## **Furniture Making.**

Instructor: Tom Hurst

Class Time Sunday 2:00 PM - 5:00 PM 6 weeks

First class January 23.

Minimum 5, max 8 students

Location: To Be determined. Instructor will contact you after enrollment.

Ages 10 and up, Must have maturity and focus to do patient, detailed work. Students may be dropped off, Parents not required to stay.

This class will make a seating type project that requires turned legs, Likely a bench with a shaped seat but the exact design will be open to students individual preferences and previous experience.

Topics of instruction will include wood turning on the lathe, Shaping soft woods with planes, spokeshave and draw knives, mortise and tenon joinery, wood movement and selection.

The class will utilize a mix of hand and power tool woodworking, Time will be invested on skill development and project completion. At the conclusion of the class you will have a sturdy, detailed project that will likely be in your family for generations.