

**Michigan's Northern Resources-** Nature Studies Part one  
Environmental Communications or Environmental Arts Part two  
Students must enroll in both classes.

Colleen & Tom Hurst  
Minimum Age 5,  
Minimum 15 students

Focusing on the central Upper Peninsula, Pictured Rocks National Lakeshore, Seeny National Wildlife Refuge and artistic and literary aspects of this beautiful region.

This is a field trip class where we will explore the region around Pictured Rocks National Lakeshore. An area of spectacular geologic, forestry, and wilderness areas. The class will include camping in the National Lakeshore, hiking to waterfalls, pictured rocks cliffs, lighthouses, untrammeled forests, the Pictured Rocks boat cruise, and the human history of this region. Colleen & Tom have camped and hiked the area many times.

The follow up portion of the program will be an evening dinner theatre of sharing a visual or dramatic presentation with the group families and invited guests. All students must participate.

Dates, Itinerary,

**August 30, 6:00 PM** Location TBD

Required parent pre trip meeting, Students optional.

**Tuesday September 4.** Travel to Grand Marais, Michigan. Arrive by 6:00 PM, Travel time 6-7 hours. Dinner and evening activities,

**Wednesday Sept. 5,** Pictured Rocks National Lakeshore, Grand Sable Dunes area. Log slide, Camp 12 Mile Beach, Evening program. Hemingway and the UP.

**Thursday Sept. 6** Hurricane and White Birch hikes, 4 mile hike, Au Sable light station, Hurricane falls, North Country trail.

**Friday Sept. 7** Chapel basin hike, Chapel falls and rock. Lake, dune, cliff interface. Evening Pictured Rocks boat cruise

**Saturday Sept 7** Morning activities, Seeny National Wildlife refuge, Iverson Snowshoe,

**Monday September 24.** Mandatory evening program. 5:30 - 8:00PM, Parents and all students. An enjoyable evening potluck family style dinner, Invited guests welcome. Students to present their final projects, May be photography, music, poetry, speech or artistic displays.

Program includes all food, cooking gear, guide services, boat fares, camping fees, and park entrance. Tents, pads, and backpacks are available for loan.

Parent and non partnership students rate based on the number of participating students per adult. 2nd parent \$300.00.

Students	Adult rate		
1	\$400	2	\$300
3	\$250	4	\$200
5	\$150	6	\$100

## **Fall 2018 Syrup to Cider**

Fall harvest in Southwest Michigan

Colleen & Tom Hurst

Class time Tuesday, Section 1: 12:30 - 3:00, Section 2: 3:15 - 5:45

First class September 11, Greenfire Gardens, Sodus, MI

Ages 5 and up, Parents stay for class.

Minimum 10 students per section, Max 15 per section

A project based class working with the bountiful harvest of fruit and vegetables in the southwest Michigan region. Students and families will participate in the harvest processing and consuming of crops produced at GreenFire Gardens and neighboring orchards. Expect to make non alcoholic apple and pear cider, dried fruits, apple sauce, basil pesto, sauerkraut, pickles, grape juice and more. Grind corn meal, dig potatoes and carrots, harvest apples, and enjoy fall berry crops. Share in the harvest of a variety of vegetables and learn to prepare for delicious meals.

This is a hands on project based class. Students will work in groups to create products to take home and enjoy. The class takes place on a working market garden farm and orchard. Equipment is available for rapid processing of produce. Families are encouraged to take advantage of the processing equipment and prepare extra product.

## **Beginning Woodworking with Tom**

Green fire gardens home shop

Ages 6 and up, Parent present.

Class time: Wednesday 12:30 - 2:30, begin Sept. 12. For 9 weeks

Minimum 6, Max 9

All new projects this semester. Students will make multiple small items in a well equipped kid friendly woodshop. Projects will include small games, simple furniture, wildlife feeders and toys. Tuition includes all materials. Additional details will be emailed after registration.

## **Furniture Making, Woodworking with Tom**

Greenfire Gardens home shop

Ages 11 and up or parent present.

Class time Wednesday 3:00 - 6:00 Begin September 12, 7 week class,

Minimum 6, maximum 8 students.

This class will focus on furniture projects. Students will select furniture to be completed in a production environment that mixes individual and group work. They will learn to design processes to accurately produce a well made piece that will last for many years. This is a class for the more patient student that wants to do true quality work. Activities will include design,

selecting material, shaping parts by hand and machine processes, assembly and finishing. A variety of tools will be utilized. Additional details will be emailed after registration.

**Fabrication Laboratory, Lake Michigan College**

Hanson Tech Center, Benton Harbor Campus.

Tom Hurst

Ages 10 and up or parent present.

Class time: 10:00 - 12:15 or 1:00 - 3:15

Thursday beginning September 13. For 9 weeks

Minimum 8 maximum 14 per section

Utilize the power of digital fabrication tools to create and embellish your projects. The LMC Fab Lab has laser engravers, 3D printers, CNC vinyl cutters, A 4' x 8" CNC router and a full suite of woodworking and sewing tools. The class is structured with instruction in the first few weeks and increasing project time as the semester progresses. Returning students with skills are encouraged to engage in more sophisticated operations. New this year is the woodturning center with 8 wood lathes.

Returning students with skills are encouraged to engage in more sophisticated operations. Basic materials are provided. Larger or repetitive projects may require an additional material fee. More details provided prior to start of class.