



Education Programs



Plows and Pulleys

Time is a resource to use wisely on a farm. Follow an early 1900s farm family through turning grains into food, tending to their fields, taking their milk to the cheese factory, and creating a meal for the family. See how STEM (Science, Technology, Engineering, and Math) and history connect through pioneer power on the 19th century farm.

Fees and Details

Recommended for Multi-age groups

Offered: May through October,
Tuesday through Friday

Duration: 2 hour program

Cost: \$6 per student for the first program; \$3 additional per student for a second program. Teachers and aids admitted at no charge. One free chaperone is allowed for every 10 students. Additional chaperones are \$6 each.



For more information, or to register for a program, please contact our Program Coordinator at (920) 684-4445 or programs@ManitowocCountyHistory.org

Program Overview

Students will take part in 6 immersive stations, each representing a different aspect of life for farm families in the early 1900s.

- **Pioneer Kitchen**
Come into the home and learn about what life was like inside the house.
Activity: Learning about chemical reactions in the kitchen and grinding wheat into flour for pancakes on the woodstove.
- **Harvesting Grain**
How are corn and wheat processed to make food?
Activity: Using a corn sheller and flail and winnow basket to create feed for livestock
- **Simple Machines**
What simple machines would a farmer use each day?
Activity: Weigh feed and use different types of pulleys to make lifting easier.
- **In the Field**
The work is never done in the farm field. Learn how to measure a field and predict income from a crop.
Activity: Take a turn at plowing the field.

- **The Cheese Factory**
Farming was a way of life for many pioneer families.
Activity: Make butter with the cheesemaker
- **In the Blacksmith Shop**
Many pieces of early agricultural equipment were developed by blacksmiths, including John Deere and Edward Smalley.
Activity: Create a piece in the blacksmith shop

After this program, students will:

- * Understand the many uses for STEM both in the barn and in the field.
- * Experience aspects of farm life in the 1900s.
- * Reflect on the impact of STEM on farmers and their families in the 1900s.

Wisconsin Standards for Social Studies

SS.BH2.b.1: Understand ways people change and adapt to new situations in places and within a family.
SS.Hist2.a.e: Identify patterns of what stayed the same to self, family, and community over time.