



The Kids' MotorWorks **Pre-Visit Information**

Program Information

Description

Students learn how Henry Ford revolutionized car-making by introducing the assembly line into the automotive industry. Each student takes a seat along the line and performs a single job, as the group works together to build models of a 1914 moving truck. Students learn how an assembly line works, and that each job is equally important in creating a finished product. Each worker takes home his or her very own truck!

Objective

Students will use deductive reasoning and observation skills to understand the importance and effects of mass production. They will learn about the difference between custom goods and mass produced goods, and how mass production helps reduce the cost of goods.

At the end of the program, students will be able to:

- Understand Henry Ford's contributions to industrialization and the automotive industry
- Describe the difference between custom goods and mass produced goods
- Recognize interchangeable parts and their role in mass production
- Understand the importance of interdependence, or teamwork, in a factory setting

Preparing for Your Visit

Before taking part in *The Kids' MotorWorks*, it is a good idea to spend some time talking with your students about what they can expect at the Museum, and discuss the kinds of information that will be covered during the field trip.

Classroom Discussion: Pre-Visit

1. What is an assembly line?
2. How were things made before assembly lines?
3. What qualities do you need to be a good factory worker? A good boss?

4. Do you know anyone who works in a factory? What is their job?
5. Do you think factory life is the same today as it was in Henry Ford's time?

Classroom Resources: Pre-Visit

1. [Virtual walk-through program](#): check out the museum's virtual space in advance to give your students an idea of what to expect.
2. [Student Youtube Playlist](#): introduce your students to a few of the industries in advance of the tour.

Important Words & Concepts

Assembly Line: a group of people who each do a simple job and work together to build something

Industry: another word for work

Custom: made special; unique

Mass Production: making a lot of one thing

Mass Consumption: many people buying a lot of one thing

Interchangeable Parts: parts that are all the same, and can therefore be assembled faster than custom parts

Interdependence: teamwork; when a group of people rely on one another to accomplish something together

Trip Tips

To ensure a successful field trip to the Baltimore Museum of Industry, students should:

- Stay with their chaperones at all times
- Use their inside voices
- Walk at all times
- Raise their hands when they have a question or comment
- Treat teachers, chaperones and peers with respect
- Follow the lead of the museum teacher throughout the program