

INVESTIGATING

The Model T in
Made in America: Manufacturing
at Henry Ford Museum®

HISTORY HUNTER

AMERICAN INNOVATION

NAME: _____



- Join in the “Henry’s Assembly Line” program.
- See an “exploded” Model T. How many different car parts can you identify?
- Grab a tool and help build a real Model T, or just watch.
- Find a pair of innovators (in the exhibit) who also used the factory production and interchangeable parts process to mass-produce a product.

Hint: The product is a lot smaller than a car.



MANUFACTURE: the production of goods, usually in large quantities, made mostly by machines

INTERCHANGEABLE PARTS: identical parts made by machines that are easily duplicated and quickly assembled into a final product; these parts are necessary for mass production



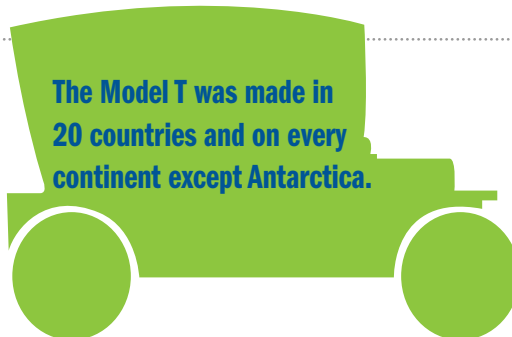
Draw or describe something you have found on your visit to the museum that was produced on an assembly line. Use the back of the page!



CREATIVE
THINKING &
PROBLEM
SOLVING



The Model T was made in
20 countries and on every
continent except Antarctica.



Where were your belongings made? Use a map or globe to figure out how far your food, cars and toys have traveled to get to you.

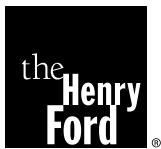
TEAM UP & TALK

Henry Ford’s innovation, the moving assembly line, revolutionized the automobile industry. Between 1908 and 1927, over 15 million Model Ts were made. Now that’s mass production! Watch film footage of the Highland Park Plant or participate in “Henry’s Assembly Line” in the Made in America exhibit.

1. How did the different parts get where they needed to go on Henry Ford’s assembly line?

2. The assembly of a single Model T involved more than 7,000 different tasks. What do you think were some of the tasks on the moving assembly line?

3. What other things can you find in the Made in America exhibit that might have been produced on an assembly line?



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CHAPERONE TIP SHEET

The Henry Ford's History Hunters have been especially aligned to reinforce 21st-century skills, such as creativity and innovation, critical thinking and problem solving, and communication and collaboration. Use this tip sheet to engage students in the learning process.

Please remember that the person who does the work does the learning. Use an asking vs. telling approach.



Here are some questions to ask the students as you tour the Made in America exhibit:

- How long do you think it took to build a Model T before the assembly line?
- Do you think assembly lines made the work faster? Easier? More fun?
- What do you think you would see if you worked in a factory? What would you hear? What would you smell?
- Do you think it was dangerous working on the moving assembly line?
- How heavy do you think the machinery was? How many of you would it take to equal the weight of the machine?
- What do we use today that is made on an assembly line? What things do you think are made by hand?

If the students are having trouble finding the “Must See & Do” items, you can guide them to these areas.

- Henry's Assembly Line: on the side of the exhibit closest to the With Liberty and Justice for All exhibit, across from the Rosa Parks Bus
- “Exploded” Model T: in the front of the exhibit near the Genius at Play store
- Build a Model T: toward the center of the exhibit near Henry's Assembly Line
- Pair of Innovators: look for the “American Innovators” sign near the watch display in the middle of the exhibit

Answer: Duane Church and Charles Vander Woerd