

↓ **APRIL 13** 10 A.M.-NOON

Wood, Metal and Fabric

This month, we continue the Engineering 101 materials theme by exploring the awesome innovations that are made when you combine **wood, metal and fabric**.

Look for the corresponding numbers in your **Welcome Guide Map**.

HANDS-ON ACTIVITIES

10 **Compare, Contrast and Combine**
Museum Plaza

Review the previously explored basics of wood, metal and fabric, and discover what can be made when they are combined.

10 **Crafting with Wood, Metal and Fabric**
Museum Plaza

Create a clothespin doll with wood, metal and fabric.

12 **Exploring What Can Be Made When We Combine Many Materials**

Sikorsky Helicopter
Heroes of the Sky

1 **Ford's Quadricycle**
Driving America

Explore Sikorsky's early helicopter and Henry Ford's first car to see how they combined wood, metal and fabric to make vehicles that move.

Compare how wood, metal and fabric are used in the construction of the helicopter and automobile. Are these materials used for the fuselage (body of the plane) or body of the car or the mechanical parts?

INSPIRING STORIES

10 *Museum Plaza under the DC-3 Airplane*

Join our storyteller, who will read stories to inspire your Tinkering Tot. Today's featured stories include *The Inventor's Secret: What Thomas Edison told Henry Ford* by Suzanne Slade, and *The Most Magnificent Thing* by Ashley Spires.

ARTIFACT OF THE DAY

6 **Bangor & Aroostook Railroad Passenger Coach Replica**

In our Railroads exhibit, across from the snow plow

This coach replicates a typical passenger car used on American railroads circa 1860. Its varnished interior surfaces resisted dirt and stains, while its mohair-covered seats stood up to heavy use.



COMING IN MAY ► Exploring Glass, Metal and Wood

A photograph of a young child wearing a black Boston Red Sox baseball cap and a green shirt, focused on a craft project. An adult's hands are visible, assisting the child. The child is wearing a yellow wristband. The background is slightly blurred, showing other people and a museum-like setting.

the Henry Ford

PNC BANK

Tinkering for Tots

► Henry Ford Museum of American Innovation® | February-April 10 a.m.-noon

Inspire Big Dreams From Your Little Innovators.

Little learners get a head full of STEAM (science, technology, engineering, arts and math) with our hands-on program. Designed for curious preschoolers, our inspired yet playful activities focus on themed materials and then expand outward with storytelling, crafting, building and artifact exploration.

↓ FEBRUARY 10 10 A.M.-NOON

Plastic and Fabric

This month, we continue the Engineering 101 materials theme as we explore the properties and uses of **plastic and fabric**. Join us as we investigate, make and search for artifacts made when combining these two materials.

HANDS-ON ACTIVITIES

10 Compare, Contrast and Combine *Museum Plaza*

Review the previously explored basics of plastic and fabric, and discover what can be made when they are combined.

10 Crafting with Plastic and Fabric *Museum Plaza*

Create a valentine craft with plastic and fabric.

5 Exploring What Can Be Made When We Combine Materials *Driving America*

Visit the child safety seats located in front of the Texaco Station to see how plastic and fabric are combined for comfort and safety. Receive a sticker when you visit.



INSPIRING STORIES

10 *Museum Plaza under the DC-3 Airplane*

Join our storyteller, who will read stories to inspire your Tinkering Tot. Today's featured stories include *Amazing Airplanes* by Tom Mitton, and *What Do You Do with an Idea?* by Kobi Yamada.

ARTIFACT OF THE DAY

19 Bert and Ernie Puppets *Your Place in Time's Teenager's Bedroom*

Bert and Ernie are made of plastic and fabric and were built by Don Sahlin from a simple design scribbled by Jim Henson, creator of The Muppets. Initially, Henson performed Bert and Frank Oz performed Ernie, but after just one day of rehearsal, they switched characters. The original idea was to show that even though two people can have totally different characteristics, they can still be good friends. According to writer Jon Stone, the relationship between Bert and Ernie reflected the real-life friendship between Henson and Oz.

Their names are believed to have been drawn from those of two minor characters in the Frank Capra film *It's A Wonderful Life*.

↓ MARCH 9 10 A.M.-NOON

Wood and Metal

This month, we continue our exploration of materials in STEAM 101. We will take a fresh look at two materials we examined previously, **wood and metal**, to discover how these materials compare, contrast and combine to make innovative objects in our daily lives.

HANDS-ON ACTIVITIES

10 Compare, Contrast and Combine *Museum Plaza*

Explore how wood and metal are used and what happens when you combine the two materials.

10 Crafting with Wood and Metal *Museum Plaza*

Turn a useful wood and metal object into something beautiful with this creative make activity.

Exploring What Can Be Made When We Combine Materials

24 *Plows* *In front of Agriculture exhibit*

17 *Hand Tools* *Made in America – Power* *(Behind With Liberty and Justice for All)*

Discover why plows and tools are made by combining wood and metal. Collect a sticker at each location.



INSPIRING STORIES

10 *Museum Plaza under the DC-3 Airplane*

Join our storyteller, who will read stories to inspire your Tinkering Tot. Today's stories include *World of Farming: Farm Machines* by Nancy Dickmann and *Whose Tools?* by Toni Buzzeo.

ARTIFACT OF THE DAY

16 *Water and Wind Mills* *Made in America – Power*

Man learned long ago to harness the power of wind and water. Two types of wheels were created that were made of wood and metal. Explore these creations and discover how these innovative designs helped people make wind and water work for them.



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