



## **Bottle Cap Art Activity: Lesson Plan | What's So Cool About Manufacturing?**

Discover what happens when we use a variety of materials to create our own art. Using materials including: bottle caps, buttons, and paint, students can create their own structure using the bottle caps, dip them in paint to create their own design, or add additional materials on to their structure. The annual What's So Cool About Manufacturing? video contests excite students to explore cool manufacturing careers and produce profiles of companies throughout Pennsylvania. Judges in each regional contest bestow a variety of awards, and each contest features an online vote at [WhatsSoCool.org](http://WhatsSoCool.org) for its Viewers Choice Award. For more lesson plans from WQED and What's So Cool About Manufacturing check out our PBS Learning Media folder.

### **Lesson Summary**

Discover what happens when we use a variety of materials to create our own art. Using materials including: bottle caps, buttons, and paint, students can create their own structure using the bottle caps, dip them in paint to create their own design, or add additional materials on to their structure.

### **Learning Objectives**

- Watch “What’s So Cool About Manufacturing” videos that demonstrate art and manufacturing
- Use their creativity and imagination to create their own artwork
- Make their own structures and create new color combinations with paint
- Follow instructions to create a finished product
- Journal their discoveries and lingering questions

### **Supplies**

- Colored constructions paper
- A variety of bottle caps and buttons
- Colored paint

- Markers
- Paints brushes
- Glue sticks
- Glue gun (used with adult supervision)
- Journal Worksheet
- Internet access
- “What’s So Cool About Manufacturing?” videos

## Videos

[Charleroi - Channel Craft](#)

[Freeport Area - Du-Co Ceramics](#)

[Franklin Center - Berner International](#)

[Pittsburgh SciTech - Aero Tech Designs](#)

## Introductory Activity

Guiding Questions:

- What is manufacturing?
- How might art be used in manufacturing?
- What products use the materials we are using today?
- What other products are manufactured?

## Learning Activities

Directions:

Step 1: Lay construction paper down to use as a base for the bottle cap structure

Step 2: Create a structure or design with the bottle caps and buttons

Step 3: Use glue sticks or glue gun to secure structure

Step 4: Add patterns or designs with the paint or markers

Step 5: Mix different paint colors together to create new combinations

Step 6: Add patterns or designs by dipping the bottle caps/buttons in paint

Step 7: Add finishing touches to your artwork!

## Culminating Activity

Students will:

- Journal their discoveries

- Journal what they liked or disliked about the activity/their artwork
- Revisit the guiding questions
- Journal any remaining questions they have about the activity and manufacturing

Reprinted from *PBS LearningMedia*: Bottle Cap Art Activity: Lesson Plan | What's So Cool About Manufacturing?

<https://www.pbslearningmedia.org/resource/bottle-cap-art-activity-lesson-plan/whats-so-cool-about-manufacturing/>

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