

SOUND FUSION



INVENTION:

The act of bringing ideas or objects together in a novel way to create something that did not exist before.
(Merriam-Webster)

Step 1: The Process of Invention

This activity invites you to think about how something new is created. Let's start by looking at some examples of inventions:

- ➔ "20 Inventions that Changed the World," Jessica Leggett & Natalie Wolchover, *Live Science*
<https://www.livescience.com/33749-top-10-inventions-changed-world.html>

Discuss:

How did these inventions come to be? Did somebody stumble upon them by accident? Did they set out to make exactly what they ended up creating? Talk as a group about the different ways that you think something new is created. This is called the **PROCESS OF INVENTION**.

Here are some resources to learn more about the process of invention:

- ➔ "Where to Begin," United States Patent and Trademark Office
<https://www.uspto.gov/kids/cycle.html>
- ➔ "The Process of Invention," Tim Pula, Davidson Institute
<https://www.davidsongifted.org/gifted-blog/tips-for-students-the-process-of-invention>

Discuss:

Think about the piece you heard premiered at Heinz Hall. Is *Philharmonia Fantastique* an invention? Why or why not? Share your point of view with a classmate.

Step 2: The Story of Invention

Now that you know a little bit about how something new is created, it's time to tell the story of a specific invention! First, choose an invention (<https://www.thoughtco.com/a-to-z-inventors-4140564>). Who created it? How did it come to be? Learn everything you can about your invention.

Now prepare to tell the story of your invention's creation. Remember that a story has characters, a plot, a conflict or challenge, and a resolution. Sketch the story of your invention. Make sure you have all of the key story elements: **CHARACTER(S)** (the main people involved), **PLOT** (what happened), **CONFLICT** (what challenges they encountered), and **RESOLUTION** (how they overcome the challenges).

Once you have your invention's story sketched out, share it with your class or a friend. You could **TELL** them the story, **WRITE** the story, **DRAW** the story, or even **ACT** out the story – you decide!



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CHARACTERS

PLOT

CONFLICT

RESOLUTION



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