

**Grade Level:** 6 - 7

**Curriculum:** Explorations, ADST

**Title of Lesson:** Chindogu!

**Learning Goals/Objectives:**

- Design can be responsive to identified needs.
- Complex tasks may require multiple tools and technologies.

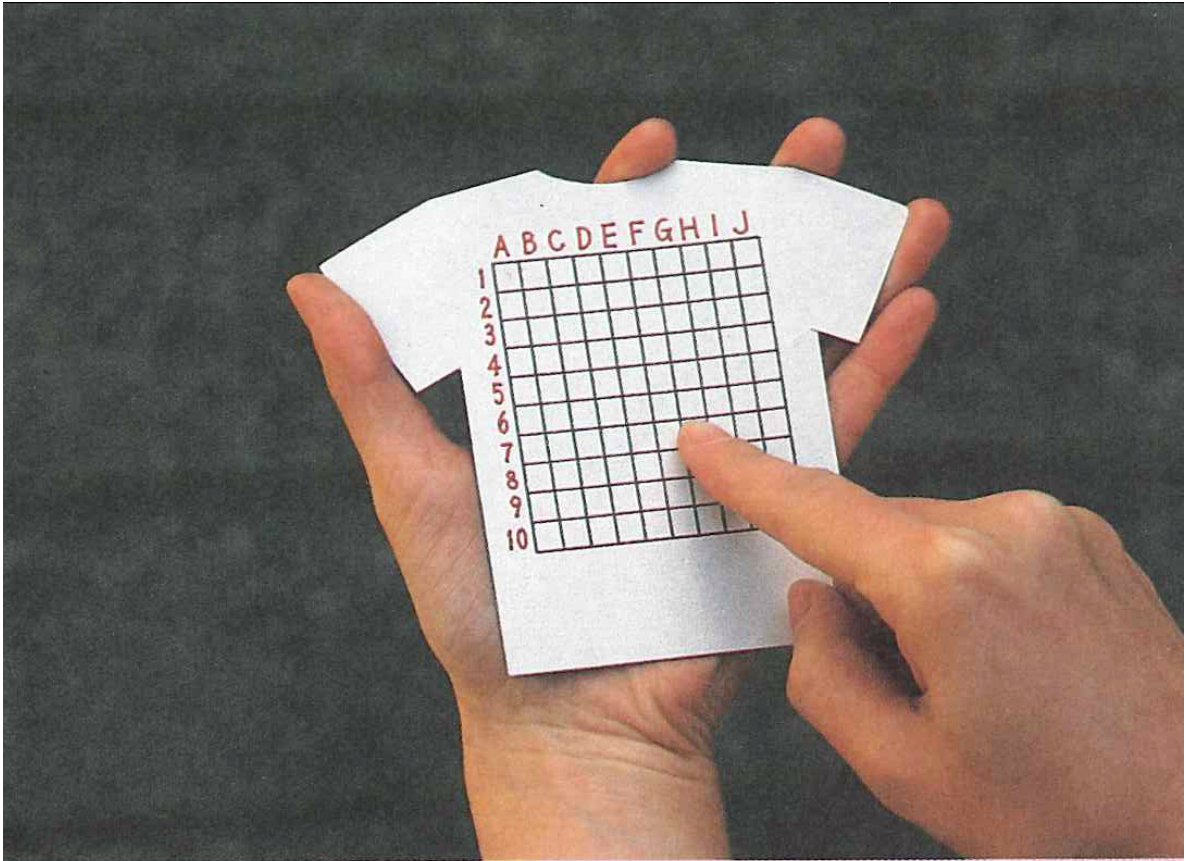
**Materials Needed:**

- Pencil and Paper

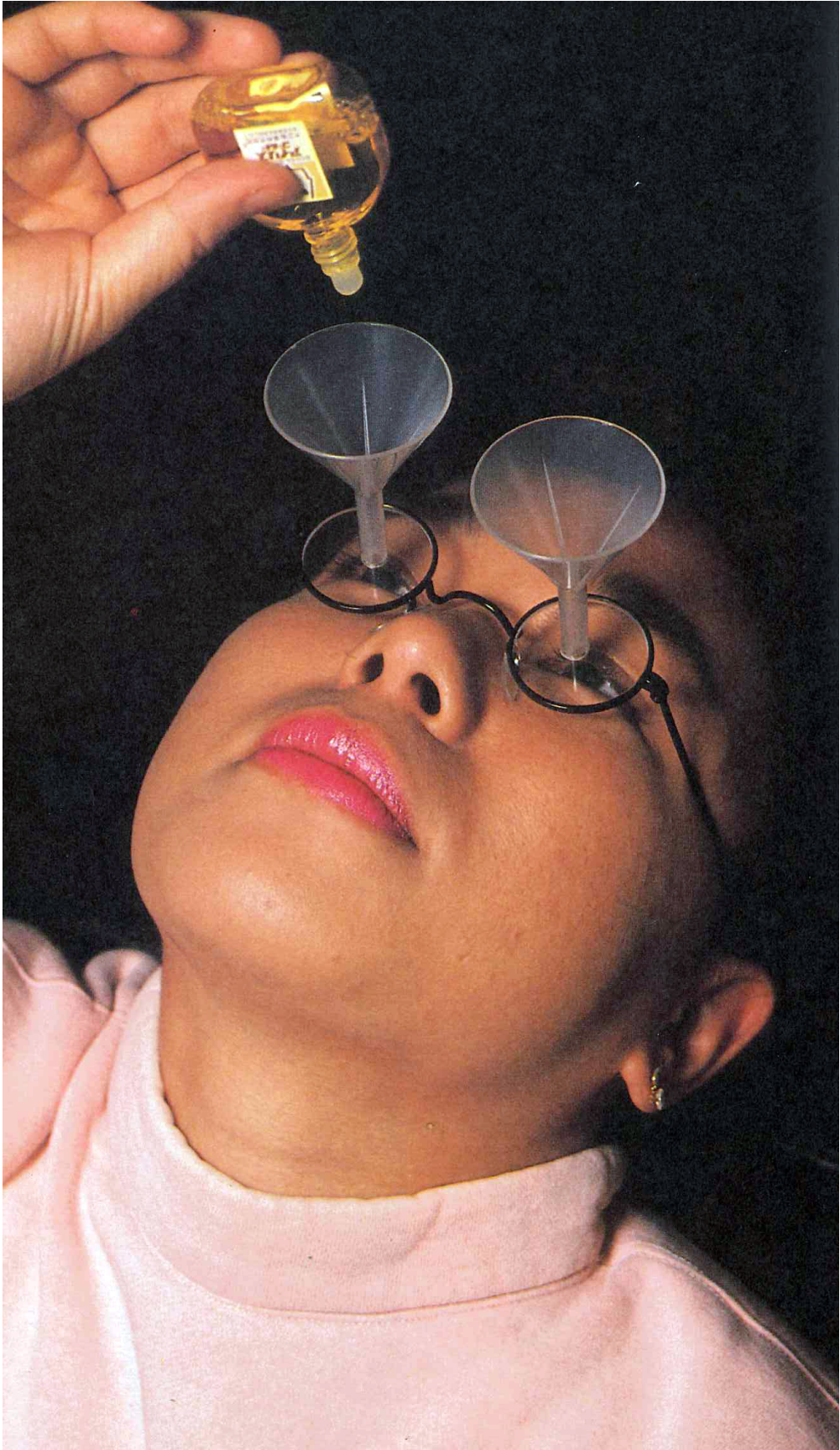
**Activity Instructions: (Step by Step)**

- Chindogu was created by Japanese artist Kenji Kawakami in the 1990s, who describes these inventions as "un-useless." He coined the term chindogu using a combination of the Japanese words *chin*, meaning "strange" or "odd," and *dougu*, which means "device" or "tool."
  - Below are some images of Chingodu inventions. The idea is to start with a small real-world problem to solve and come up with a silly way to solve it:











- Your task is to design a Chindogu invention of your own! Think of a small problem that you, or someone you know complains about.
- Once you have your problem, brainstorm as many silly ways to solve the problem as possible. The more ideas you can come up with, the better!
- Look at your list. Are there ways you could combine two, or more of the ideas?
- Create a sketch of the device on it's own, and a second of a person using the invention!

**Extensions (Optional):**

- If you have some materials at home, try to create and test out your invention!