



# Science Lab



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## 9. Hologram

**Topic:** Visuals and projection

**Objective:** Students will learn to make a structure that can project visuals.

**Vocabulary:** project, visuals, structure

**Materials:**

- A ruler
- A marker
- Cold silicone
- An old CD cover
- Some cardboard

### Development:

- **Read and look at the pictures.**

**Step 1.** Get the cover of an old CD and get it cleaned.

**Step 2.** Draw the template on the CD cover and cut the shaded part– you will need four pieces.

**Step 3.** Use some small pieces of cardboard and silicone to join the four pieces.

**Step 4.** Use some more silicone – add some in some resistance points.

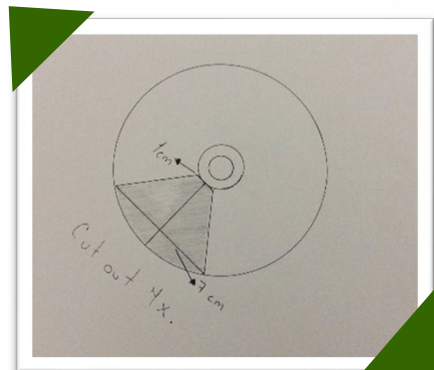
**Step 5.** Set the structure on a cellphone and project different visuals.



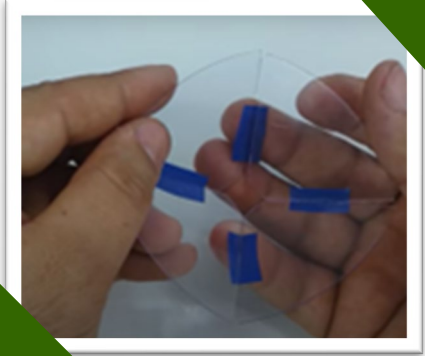
Step 1.



Step 2.



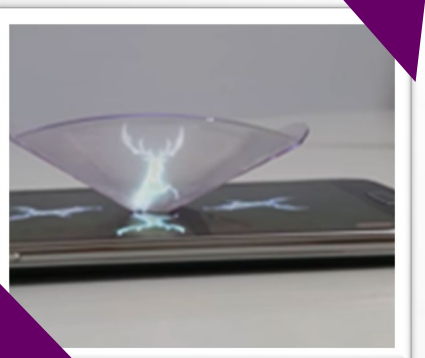
Step 3.



Step 4.



Step 5.



**Tell us...**

**Read and write YES or NO.**

1. Everybody used cold silicon.
2. You made a hovercraft.
3. The experiment worked.
4. You played in teams.
5. A big box was needed for this experiment.

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**Glue a picture of your project finished!**

Hologram

Glue your  
picture here  
: )

1. What was your favourite part of the project? \_\_\_\_\_.

2. What, exactly, did you like the most?

\_\_\_\_\_.

3. Extra notes on what you observed during the project. \_\_\_\_\_

\_\_\_\_\_.

4. Can you see or apply the information from the project in real life? YES / NO

Explain: \_\_\_\_\_

\_\_\_\_\_.

5. Was it easy to get the materials for the project? YES / NO

Explain: \_\_\_\_\_

\_\_\_\_\_.