

Science Lab



5



4. Hovercraft

- Topic:** Air suspension
- Objective:** Students will learn about how air tables work and displacement of objects.
- Vocabulary:** hovercraft, air tables, pacifier, lower
- Materials:**
- An old CD
 - A pacifier mouthpiece (Gatorade type)
 - A hot silicone gun
 - A balloon

Development:

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

- Step 1.** Decorate the shiny side of the CD and then use the hot silicone to stick the pacifier mouthpiece on it, make sure there are no gaps.
- Step 2.** Make sure the mouthpiece gets closed by pressing it down.
- Step 3.** Inflate the balloon – don't tie the tip, just do some twisting to keep the air in.
- Step 4.** Insert the balloon into the mouthpiece – as far down as it can go.
- Step 5.** Put the CD on a surface and raise the mouthpiece.
- Step 6.** Describe what is happening – what makes the CD move and how.



Step 1.



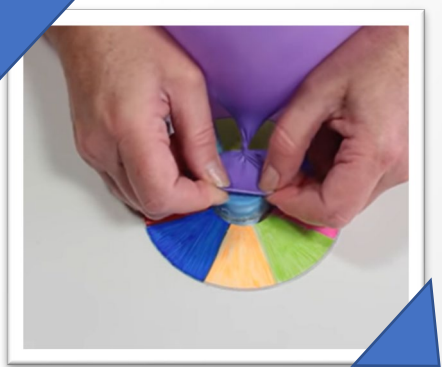
Step 2.



Step 3.



Step 4.



Step 5.



Step 6.



Tell us...

Read and write YES or NO.

1. Everybody used silicon bars.
2. You made a hovercraft into an air table.
3. The experiment worked.
4. You can play this individually.
5. A big box was needed for this project.

Glue a picture of your project finished!

Hovercraft

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: _____

_____.