



Let's Stick the Card by Air Pressure



Let's feel the weight of the air.



Point

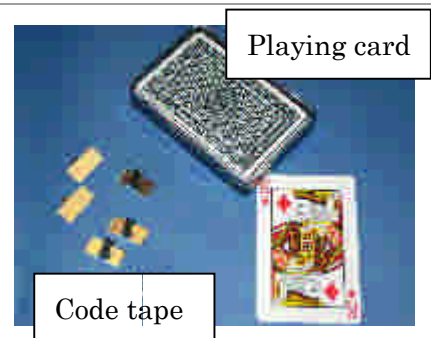
Using the difference of pressure between the front and back of playing cards.



Materials



- 2 Playing card (Plastic)
- Code tape



Make a MR card

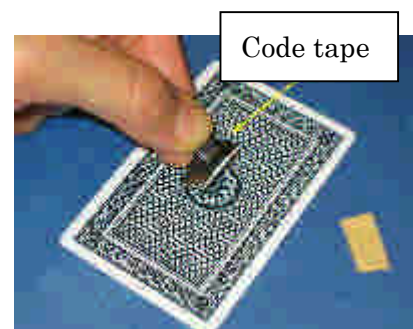
1

- Prepare a playing card.



2

- Put the code tape on center of the card.



3 •Repeat with the other card.



✿Start experiment✿

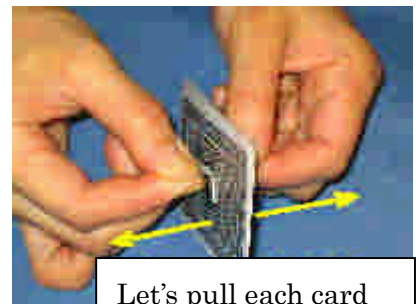
1 •Put the card on the flat table.



2 •Pick up the card.

* Can you do that ?

3 •try to put the cards face to face.



4 •Try to pull to opposite side

5 •Let's lift something with MR card
How much can you lift ?







💡 Information

💡 This experiment refers to Umino Hiromitsu's experiment (live in Shizuoka)

💡 The card can't be lifted because the playing card is held by the pressure. When you pull the card, there is no air between the card and table so the pressure on the front of the card is bigger than on the back. That's why you can't lift the card.

◆ You can lift the card when there is air between the card and the table.

➡ Other types of the experiment

11	Let's make a MR card	 Using rubber
37	Magdeburg hemisphere	 Burn the fire
49	Let's crush the can with the power	 Crush the can
55	Let's let the air.	 Let the air

[たんちょう先生トップページに戻る](#)

