

Lab

KIDZ

Fifth Grade



3. Launcher

Topic: Elasticity

Objective: The student will learn about the elastic property of materials, as well as the creation of basic tools.

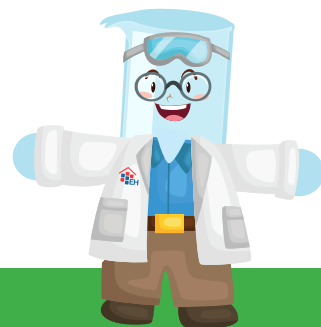
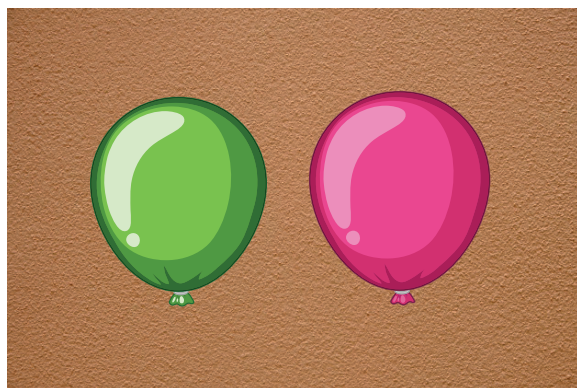
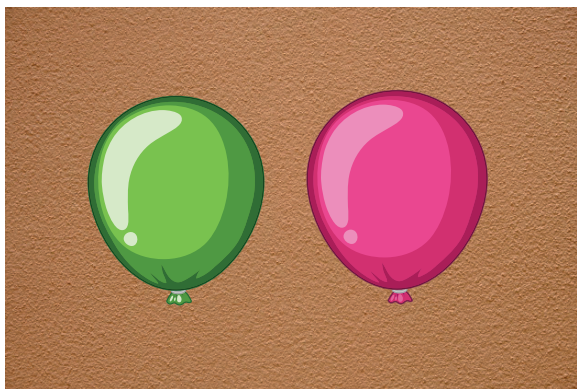
Vocabulary: elasticity, creation, binder clip

Material:

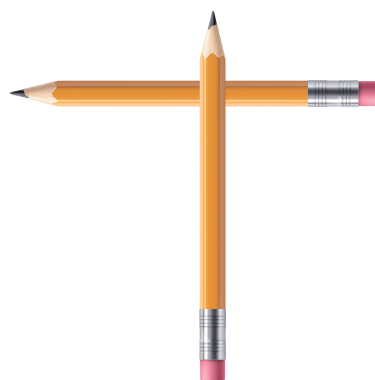
- 4 pencils
- 10 thick rubber bands
- Tape
- Binder clip
- 1 pen lid
- The ink tube of a pen
- Balloons
- A carton

Development:

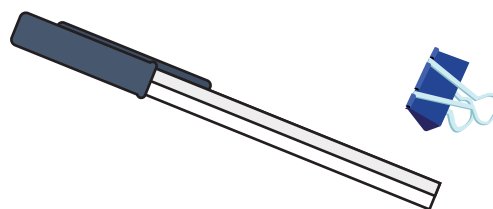
1. Inflate the balloons and stick with tape on the cardboard.
2. Join two pencils and join them using a rubber for each end.



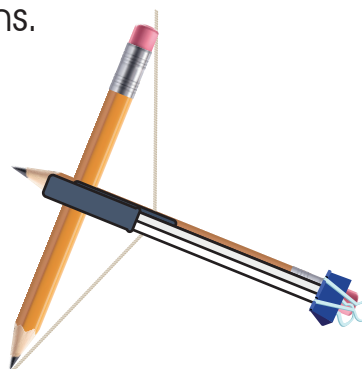
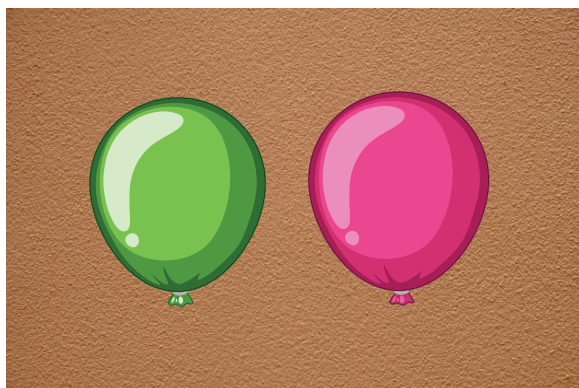
3. Take two more pencils and join them with tape at the back end.
4. With the help of a rubber band join the two pencils forming a cross (one end smaller and the other longer).



5. Put the binder clip on the back of the pencils attached with tape.
6. Between the unions of the pencils, place the lid of the pen, attach it by placing a rubber band on the ends of the pencils and between the two pencils that are joined by rubber bands.



7. Pull the rubber band and fasten it with the binder clip.
8. Place the ink tube inside the pen cap so that it touches the binder clip and that the tip faces the other side. Let go of the clip trying to break the balloons.



Jack is talking to Jane. What does Jane say?

Read the conversation and choose the best answer. Write a letter A-H for each answer. You do not need to use all the letters.

Example:

Jack: Hi Jane. Are you going to the park?
Jane: C

Questions

1.- **Jack:** Would you like to go with me?

Jane: _____

2.- **Jack:** My parents are driving me there at 1pm?

Jane: _____

3.- **Jack:** I will take my new rocket with me, and you?

Jane: _____

4.- **Jack:** Yeah, why not? Maybe you can take your bike.

Jane: _____

5.- **Jack:** Yes, OK. I'll meet you in my house at 12:30pm.

Jane: _____

Possible answers.

A. And we can have lots of fun.

B. Great and maybe I'll look for a cheaper one!

C. Yes, but I don't know at what time, yet. Example

D. Oh, that's a great idea! When are you going to get it?

E. Well, shall I take something then?

F. Great! I can see you 30 minutes earlier.

G. Perfect! I will tell my parents.

H. Oh, maybe. What time are you going?

