



EXTENSION QUESTIONS:

1 - Describe how your device protected the egg from cracking. What material was most important in your design? What material that you used was least effective?

we put cotton balls to protect it. if the balloons did not break the most important. the balloons were the least important.

2 - Knowing what you know now, how would you improve upon your design to make it work better on the next try? Draw a picture if it helps!

use string insted of tape for string

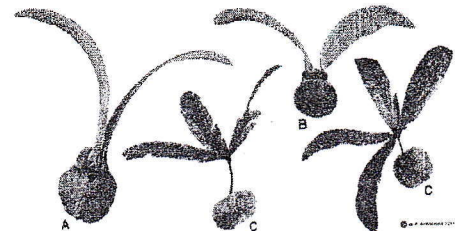


3 - What material would you use in another design that you did not use today, and WHY? It can be a material that was not offered.

I would of used an apple to make sure the wait was toward the cushion.

4 - What things in nature are similar to this egg drop experiment? What things that humans use are similar to the egg drop experiment? How do these things work? For example, the helicopter seeds that some trees use to disperse their seeds with the wind. What else is there?

Macadamian nuts create a hard shell over the nut to protect it from bugs and the drop.





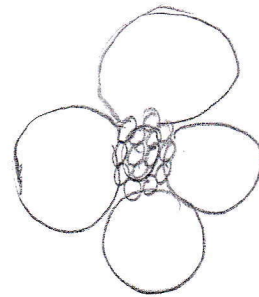
EXTENSION QUESTIONS:

- 1 - Describe how your device protected the egg from cracking. What material was most important in your design? What material that you used was least effective?

Our device cushioned the egg to prevent it from cracking. The cotton was most effective, while the balloons were least effective.

- 2 - Knowing what you know now, how would you improve upon your design to make it work better on the next try? Draw a picture if it helps!

I would have tried to make the balloons more helpful next time.

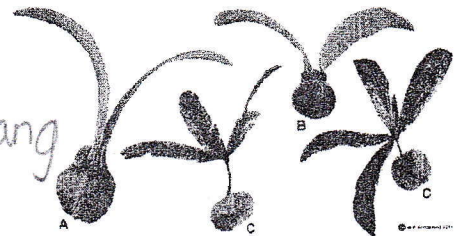


- 3 - What material would you use in another design that you did not use today, and WHY? It can be a material that was not offered.

I would have used pillows, thread, and a needle to cushion the egg for less chances of breaking.

- 4 - What things in nature are similar to this egg drop experiment? What things that humans use are similar to the egg drop experiment? How do these things work? For example, the helicopter seeds that some trees use to disperse their seeds with the wind. What else is there?

In nature, a leaf from one of the trees with boomerang shaped leaves, fall very slowly and light.



Eliana

1-1-19



Northeastern University
Center for STEM Education

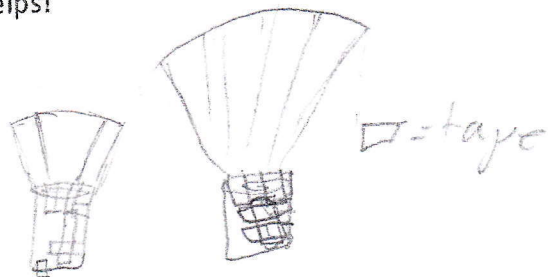
EXTENSION QUESTIONS:

- 1 - Describe how your device protected the egg from cracking. What material was most important in your design? What material that you used was least effective?

It protected the egg by giving it a soft pillow like felt structure to land on and the parachute to drop it lightly. The felt, and the paper. The balloon, the marshmallows, and the popsicle sticks.

- 2 - Knowing what you know now, how would you improve upon your design to make it work better on the next try? Draw a picture if it helps!

More tape to hold it together better.

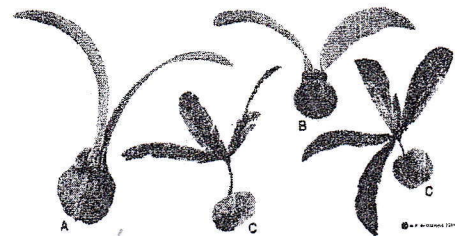


- 3 - What material would you use in another design that you did not use today, and WHY? It can be a material that was not offered.

an orange, a plastic container, and cornstarch with water.

- 4 - What things in nature are similar to this egg drop experiment? What things that humans use are similar to the egg drop experiment? How do these things work? For example, the helicopter seeds that some trees use to disperse their seeds with the wind. What else is there?

One thing in nature is dandelion because the seeds have feather like features. When people protect their babies by wrapping them in stuff.



The softer the landing the more likely chance it has of surviving. There is the dandelion, and the maple tree seed.

Jacob Layman



Northeastern University
Center for STEM Education

EXTENSION QUESTIONS:

1 - Describe how your device protected the egg from cracking. What material was most important in your design? What material that you used was least effective?

Our groups egg cracked when it hit the ground but we had to restart our design because our balloons popped, the material that we used that was least effective was a popsicle stick.

2 - Knowing what you know now, how would you improve upon your design to make it work better on the next try? Draw a picture if it helps!

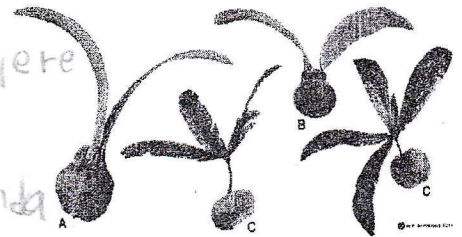
I would improve it by either not using our popsicle sticks, or using more cotton balls.

3 - What material would you use in another design that you did not use today, and WHY?

It can be a material that was not offered. I would of used paper on the top to make it flat down softly and thats it.

4 - What things in nature are similar to this egg drop experiment? What things that humans use are similar to the egg drop experiment? How do these things work? For example, the helicopter seeds that some trees use to disperse their seeds with the wind. What else is there?

When I was outside in Utah it was winter there were still some seed maple trees and it was kinda



windy so a maple seed dropped and landed on my head and I started to grow it in a flower pot then I grew it in the ground so thats kind of like the experiment we just did.