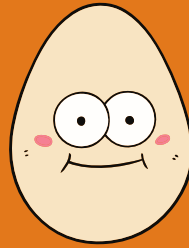


SCIENCE EXPERIMENT!

*Can You Save
This Egg!*



PLEASE SAVE ME!



**CAN YOU GET THE EGG TO LAND
SAFELY IN THE CUP?!**

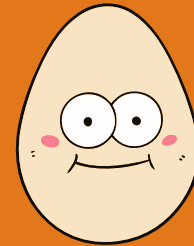
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EGG DROP CHALLENGE!

MATERIALS:

- a plastic cup of water with a mouth wide enough to fit the egg.
 - a piece of cardboard or a small tray/paper plate with a SMOOTH bottom
 - a cardboard tube (paper towel or toilet paper tubes work well)
- 1 boiled Egg



INSTRUCTIONS:

1. Fill the large drinking glass about three-quarters full with water.
2. Center a pie pan on top of the glass.
3. Place the cardboard tube on the pie pan, positioning it directly over the water.
4. Carefully set the egg on top of the cardboard tube, ensuring it is lined up with the glass directly below it.
5. With your writing hand, smack the edge of the pie pan horizontally. Don't swing up, and don't swing down! Be sure to hit the pie pan and not the glass, tube, or egg! It's important that you hit the pie pan horizontally and use a pretty solid hit, so plan on chasing the plate and tube.
6. Watch what happens!

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How does it Work?

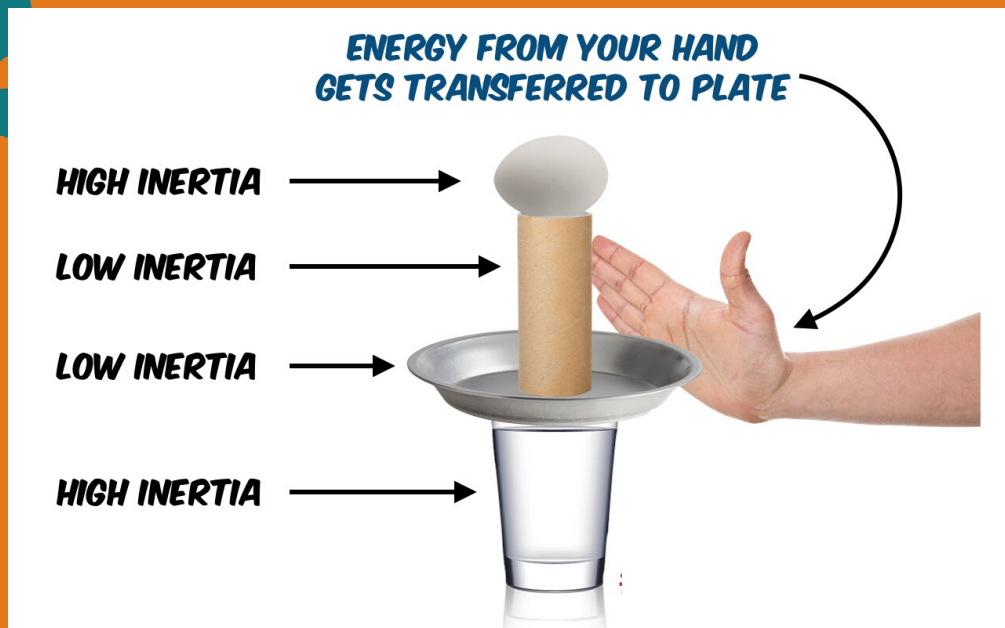


This simple but cool experiment is all about a science concept/property called INERTIA.

INERTIA describes an object in terms of how much energy is needed to move it or stop it from moving.

Since the tray and tube are very low mass (lightweight, they have very little inertia, and will easily move out of the way.

The egg, however is heavier (has more inertia) and so it is not easily moved, leaving it in place for gravity to bring it down into the cup.



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Follow ups!

GET BRAVE and try this experiment using a
RAW egg instead! lol

GET BRAVER and try this with multiple eggs and
cups!

SICK!™ EGG
science ● DROP



HAVE FUN!

Dr. Nicole Grimes

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