

Investigate



What happens to jelly beans if....?

Challenge

1. First you separate the jelly beans by colour into separate bowls.
2. Next you add enough water to cover the jelly beans to all the bowls.
3. **What you think might happen to the jelly beans after sitting in the water?**
4. Observe what is happening to the jelly beans as they are sitting in the water.
5. Leave the jelly beans for a few hours and then come back to check them.
6. Take the jelly beans out of the water and observe the changes...
7. Can you explain what has happened?

Resources

- 2 bags of jelly beans
- small bowls
- water

Extra

Would the same thing happen to all kinds of sweets? Try it out...

Investigate



Take the Egg Drop Challenge!



Challenge

You are challenged to design and make a container to protect an egg from a high fall **OR** look at the designs on the next page and decide which of these would be best and why.

- **Check that your adult is happy for you to use an egg before you start....**

- Plan your idea and gather your materials first
- Build your container and place the egg inside.
- Drop the egg from somewhere high. (Be sure it's safe and an adult is with you.)
- After you drop it look and see if your egg cracked or remained intact.
- Remember to wash your hands after touching raw egg!

GOOD LUCK!

Resources

- You can pretty much use any materials you want!

You Could Use:

- Toilet paper rolls, newspaper, shoebox, lolly sticks, tape, rubber bands, plastic bag, string, balloons

Extra

You can investigate other egg challenges online.

What is the most successful egg drop design and why?

