

Bounce, Bounce, Bounce

Investigate how different shaped balls bounce differently

Step 1

Balls to use:

- Rugby ball
- Football
- Tennis Ball
- Ping pong Ball
- Basketball
- Squash ball



Look at the different shaped balls and try bouncing them on the floor. What do you notice?

Which ball do you think will be the hardest to bounce in the direction you want it to bounce?

Are there any similarities between the balls that bounce the highest?

Step 2

Can you bounce each ball into a container?

Step 3

Which balls float?

Balls to use:

- Golf ball
- Ping pong ball
- Tennis Ball
- Hockey Ball

Sort the balls into balls you think will float on water and balls you think will sink.

Test each ball to see if your predictions were correct.

Challenge

Can you make a ball that sinks float?

Hint – try wrapping in bubble wrap