



BOUNCE

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WAYS TO INTERPRET THE WORD BOUNCE:

The physical
bouncing of
things like balls.

Things
bouncing back
metaphorically.

HOW THINGS CAN BOUNCE BACK METAPHORICALLY.

Bouncing back metaphorically means to return quickly to normal after a difficult situation, much like resilience (To recover quickly from difficulties). An example of this would be when I was going sailing on a beginner course and the weather was really bad and stormy and I was not a very good sailor at the time. This experience really frightened me therefore meaning that I did not want to sail again, but I bounced back, and I went sailing again and enjoyed it.

Another example of this would be Harry Charles of Team GB's show jumping team who won gold in the Paris 2024 Olympics having fractured his arm only four weeks before the Olympics started. Watching the event with him competing was incredible and inspiring.



The physical bouncing of things like balls.

Lots of things literally bounce, like balls. Other things that physically bounce include gas particles in objects like balloons and when a balloon is inflated, it too bounces, and rubber items usually bounce and these are just some of the many things that bounce.

WHY DO BALLS BOUNCE?

The force of the ball hitting the hard ground puts an equal force back onto the ball, allowing it to bounce back up.

Also, Balls that bounce are made from an elastic material, which allows them to be squashed or stretched and then return to their original shape.

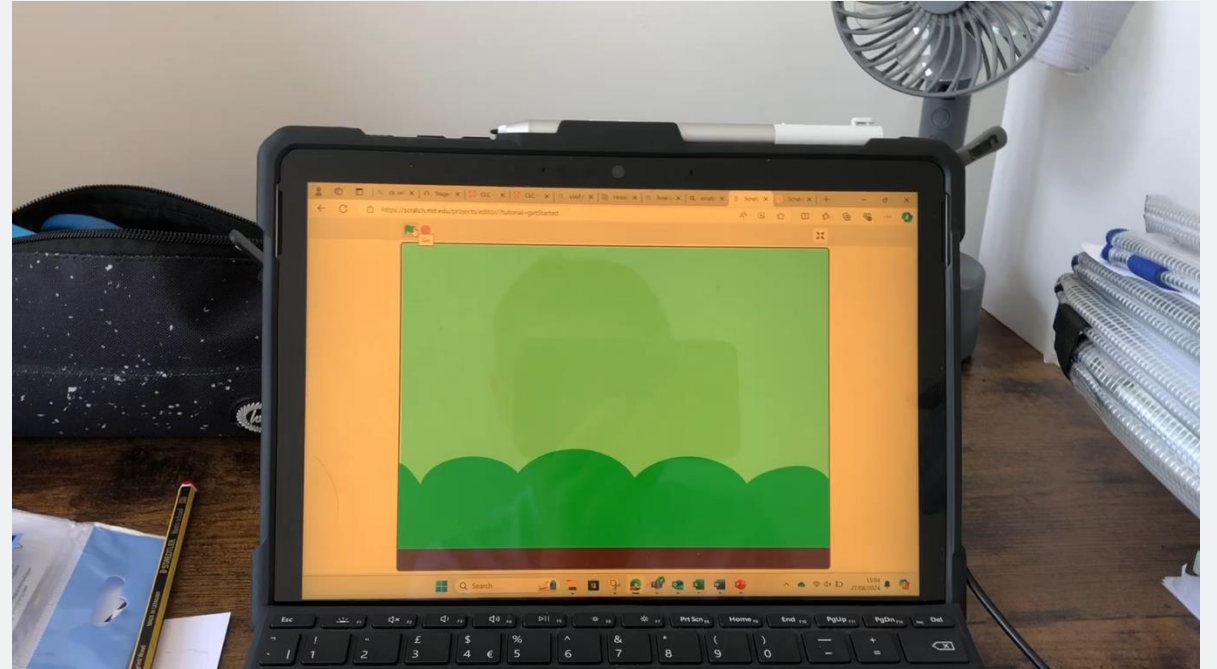
Furthermore, when a ball hits the floor, it gains kinetic energy and this energy is used to deform the ball. When the ball returns to its original shape, it bounces.

In addition, Air molecules inside the ball act like a tightly coiled spring, contributing to the bounce.

Animation showing a ball bouncing

[Scratch - Imagine, Program, Share
\(mit.edu\)](https://scratch.mit.edu/projects/editor/?from=gallery)

If you find that this link does not work
then here is a video of it:



*Thank you for
watching!*

