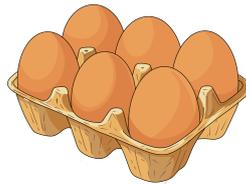


EGG ZIP LINE

Design and create a harness to hold an egg as it travels down a zip line. Once you've tested to make sure the harness works, try changing the zip line's gradient or the material it's made of, and investigate how these changes affect the time it takes for the egg to travel between two points.

You'll need

String/rope
Pipe cleaners
Straws
Eggs - plastic, chocolate or boiled
Timer



Instructions

Tie the string or rope between two points, one higher than the other.

Use the pipe cleaner to create a simple harness for the egg.

Record how long the egg takes to travel down the zip line.

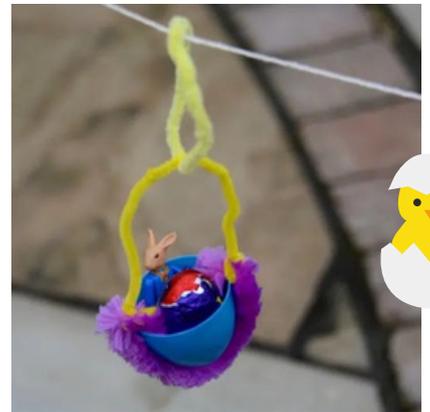
Experiment with different size eggs, different types of string or rope and by changing the incline of the zip line.

REMEMBER - only change one variable at a time.

Extension Ideas

Build two zip lines and have an egg race!

Experiment with different types of egg harness.



GRADIENT OF THE ZIP LINE

The steeper the gradient, the faster the egg will travel.



ZIP LINE MATERIAL

The rougher the material used, the slower the egg will travel.



EGG ZIP LINE

RESULTS

I investigated changing the

Gradient of the zip line

Material of the zip line



Material / Gradient	Time 1 - seconds	Time 1 - seconds	Time 1 - seconds

Conclusion

