

0.3 Motion Lesson - Spinning

Introduction

What things spin?

Spinning is going in a circle.

What happens when we spin very fast?

Have you been on any rides that go in a circle? What was it called?

Wheels also spin under your car but fortunately you don't when you sit in it.

Make a Spinning Top

To make something spin you have to push it of course but you also need the object to stay in the one spot. Otherwise what will happen?

To make a spinning top you can use LEGO or DUPLO or even your own materials
(a cardboard circle and a pencil will work).

The main things we need are:

1. a spindle (or a stick)with a point on it to spin on the ground
2. a wide circle or disc that keeps it balanced when it spins.

When you make your spinning Top, you will need to test how close the disc is to the ground and adjust the height on the spindle. The closer the better.

To start it spinning you can use a spinning handle like the DUPLO one shown or you can flick your thumb and forefinger to get it started.

Measuring your Spinner

To measure how good it is use your partner to start and stop a Stopwatch.

Write your time in the box here:

How would you know what is the best spinner from the time you measured?

