



### OFFICIAL GIRLGUIDING ACTIVITY

Adapted from Brownies Skills Builder "Speedy Explorer" = Innovate Stage 3  
by Girlguiding Middlesex East for Camp 2020 - The Home Edition, July 2020.

# Brownies Activity

## Speedy Explorers

### What you need:

- ★ String, wool or cord, 5-10m long
- ★ a tape measure (with centimetres)
- ★ brave explorers - teddies or other soft toys
- ★ a timer
- ★ cardboard
- ★ sellotape (optional)

Your task is to make a zip wire at least 500 cm long for your toy.

Challenge your brother or sister or parents to see who has the fastest toy.

1. You will need to make some decisions:

- ★ Where the zip wire will start - don't over reach, ask an adult to help.
- ★ Where the zip wire will end.
- ★ How long it will be - at least 500cm
- ★ What your zip wire will be made off - string, wool or cord
- ★ How steep it will be
- ★ How your intrepid explorer will be attached to the zip wire, you could build a seat, or just make him a harness.



2. Build your zip wire, you may need to ask for help from a parent or older brother or sister.

3. Prepare your explorer - you might want to explain that he has to be brave; you could give him a blindfold if you think that might help.

You're going to find out how fast your explorer went down your zip wire so you'll need to fill out the table below to help with the calculation, you can use a calculator

Name	Length of zip wire (in cm)	Time (in seconds)	Speed

4. Measure how long your zip wire is, and then send your explorer down - don't forget to time him in seconds.

5. To work out how fast they went use this sum:

Length of zip wire ÷ time = speed

For example it might be 500cm ÷ 6 seconds which = 83.3 so in this example the brave explorer went 83.3 cm per second.

Who won?

6. Have a think, how could you make the explorer go faster. Give it a go.

