## SPEED <br> INVESTIGATION DO RED CARS GO FASTER?

## REQUIREMENTS

A friend, measuring tape, stopwatch, a flag

## INSTRUCTIONS

- Find a safe location along a straight road where you have 100 metres of clear visibility.

- Measure a distance of 100 metres.
- Your friend will stand with a flag at the start of the 100 metres. You will stand at the end with a stopwatch.
- When a car passes your friend, he/she will flag. You will start timing.
- When the car passes you, stop timing and record the car colour and the time.
- Calculate the speed of all cars and find the average speed of red cars compared with other coloured cars.
- What do you notice?

| Car Colour | Time (s) | Speed $=\mathrm{D} \div \mathrm{T}$ <br> $(\mathrm{m} / \mathrm{s})$ |
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