## **SPEED**

## 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 = D ÷ T (m/s)			
Average speed of red cars = Average speed of other colou	rage speed of red cars = m/s rage speed of other coloured cars = m/s				

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