

RAMP RACE

Materials

1 m Length of Board 4 Blocks of Wood Toy Car Stopwatch Meter Stick

What To Do

Use 2 blocks of wood and the board to build a ramp (inclined plane).

Put the toy car at the top of the ramp. GENTLY push the car to start it moving down the ramp. Time how long it takes to reach the bottom.

Use the meter stick to record the distance the car rolls after it leaves the ramp.
Record this information on your answer sheet.

Add one block to increase the height of the ramp and repeat the experiment.

Add the last block to the ramp and repeat the experiment.

$$\text{Speed} = \text{Distance} \div \text{Time}$$

