## **STEM** Challenge support materials Build a ramp for a toy car

## This pack includes...

p2: Challenge/Questions card

p3: Posters

p4: Practitioner notes

p5-8: Word cards (&blanks) (for display or as flash cards)

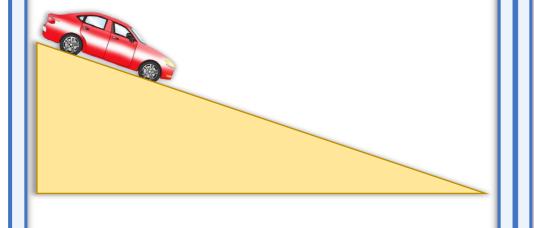
p9-11: 'What did we do?' sheets (for writing, drawing, or adding a photograph)

p12–14: 'My experiment' sheets (for writing, drawing, or adding a photograph)

★STEM ★ Challenge

## Can you...

...build a ramp for toy cars (to go down safely)?





What happens if the ramp is a steeper slope?

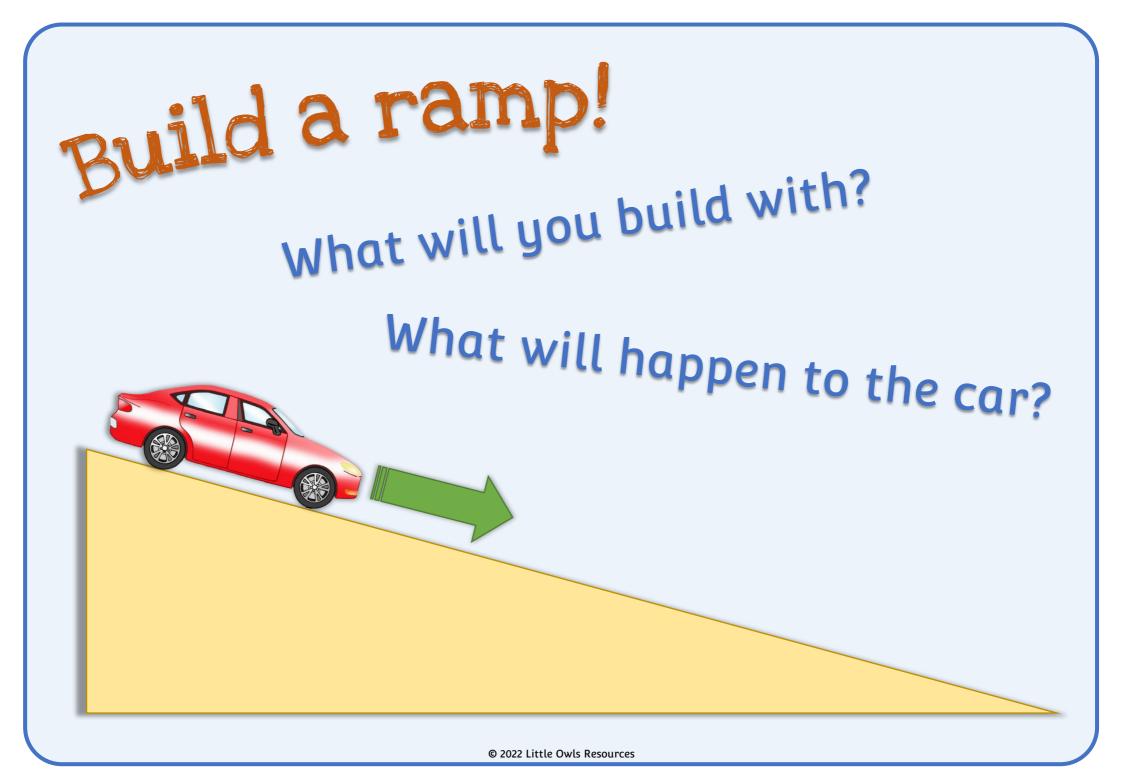
What happens if the ramp is a gentler slope?

Does the type of car make a difference?

> Why does the car move?

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Build a car ramp

## **Practitioner notes**

Items that might be useful

• Toy cars

• Cardboard/Junk modelling materials

Encourage a short discussion about a toy car going down a ramp or slope.

What could we use to make the ramp or slope?

Give the children time to explore their ideas before seeing the gathered materials.

Which of these items would be helpful? - Could the

car travel through a tube or a box?

Allow the children to create their ramps and then observe and investigate with as much independence as possible. If needed, help them to see what happens when a slope is steeper or gentler.

What did you find out? – Why does the car move down the slope?

