ACTIVITY WORKSHEET · AGES 5–10

Park at the Target with Elena

Let's practice the engineering design process



ELENA'S TIP

Release from the same spot each time.

Name _____ Date _____

ENGINEERING DESIGN PROCESS

You'll need: Cardboard, books, a toy car and paper.

1 Identify the problem

Build a ramp that sends the car to a marked parking spot.

2 Brainstorm

Sketch two ways to raise the ramp.

Idea 1

Idea 2

3 Prototype

Build one ramp. Mark a parking spot in front of it.

4 Test and evaluate

Release the car without pushing. Mark where it stops.

5 Improve

Change the ramp height and test again. Did it stop closer?

The STEM Squad

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