

# Engineering a simple vehicle

Name \_\_\_\_\_

Supplies:

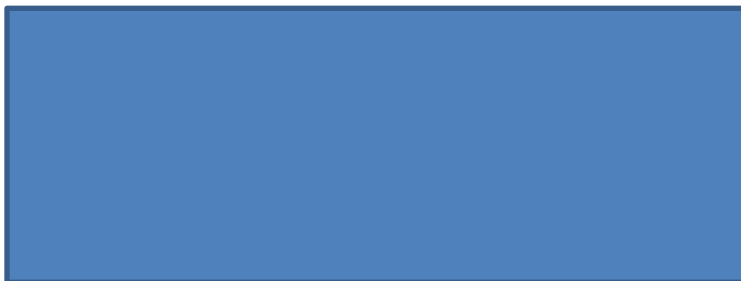
1. Four wheels
2. Axil (to fit wheels plus straw to go over axil)
3. Car body (cardboard)
4. Clips or tape
5. Glue stick
6. Three pieces of cardboard for ramps of varied heights
7. Tape measures

## Design: Your choices

Wheels: How wide is your axil? Measure it in inches and record it below:



Measure the length and width of your vehicle's body below:



How are you attaching the wheels? \_\_\_\_\_

Practice with your vehicle and soon we will measure how far it travels!

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OVER----->

<b>Ramp 1</b>	<b>Distance in inches</b>
Trial 1	
Trial 2	
Trial 3	

<b>Ramp 2</b>	<b>Distance in inches</b>
Trial 1	
Trial 2	
Trial 3	

<b>Ramp 3</b>	<b>Distance in inches</b>
Trial 1	
Trial 2	
Trial 3	

Draw a picture of how you would change your vehicle to make it go further: