

# Away You Go!

## Procedure

- 1. Experiment** Stack several books on top of one another. Place one end of a wooden board at the edge of the stack of books to form a ramp.
- 2. Experiment** Hold a toy car at the top of the ramp. Do not push the car down the ramp. Allow it to roll by itself.
- 3. Measure** Measure the distance from the top of the ramp to the front end of the car at the location where the car stopped rolling. Record this distance below.  
  
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- 4. Compare** Repeat steps 2 and 3 using a wooden block instead of the toy car. Put the block onto the ramp, but do not push it down the ramp.  
  
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## Conclusion

Write the answers to the questions below.

- 1. Infer** You put the toy car and wooden block onto the ramp. What caused the car and block to move down the ramp?

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**2. Compare** Which traveled farther—the toy car or the wooden block?

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**3. Hypothesize** State why you think the toy car and wooden block traveled different distances.

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### Investigate More!

**Design an Experiment** Repeat the experiment, but this time cover the ramp with a material such as sandpaper or plastic. How does the change in surface affect the distance traveled?

