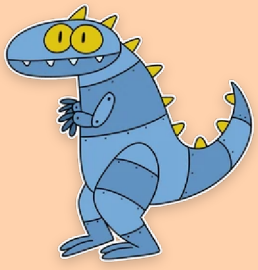
SCIENCE · SIMPLE MACHINES AND ENGINEERING · GRADES 3–5

Ramp and Car Experiment

Roll a toy car down a ramp at three heights, measure how far it goes, graph it and explain.



Name: _____ **Date:** _____

Question: does a higher ramp make a toy car roll farther? Lean a board on 1, then 2, then 3 books. Let the car go from the top (no pushing) and measure from the end of the ramp to where it stops.

My hypothesis: If the ramp is higher, then _____

Ramp height	Try 1 (cm)	Try 2 (cm)	Try 3 (cm)
1 book			
2 books			
3 books			

Graph your best try for each height. First write a scale up the side, like 0, 20, 40, 60 cm.

1 book 2 books 3 books

Conclusion: what happened, and which simple machine is a ramp?

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