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Science

Science

Physical Science

# The Inclined Plane



Genre	Comprehension Skills and Strategy
Expository nonfiction	<ul style="list-style-type: none"><li>• Main Idea</li><li>• Cause and Effect</li><li>• Summarize</li></ul>

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by Mary Katherine Tate





# The Inclined Plane



*by Mary Katherine Tate*



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People often must move heavy things. Movers move boxes. Builders move lumber and tools. Drivers move things with their trucks. All that moving is a lot of work!

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There are many kinds of machines that help move things. Some are very simple. One simple machine is called an inclined plane.




An inclined plane has a flat surface. It is higher on one end. An inclined plane is used to move things up or down.





 Ramps are inclined planes. So is a road or a path that goes up a hill. Did you know that a slide is also an inclined plane?



 Which is easier for the boy to do—lift up the box or push the box up the ramp?





If you said push the box up the ramp, you are right.

The ramp is an inclined plane, so it helps you do the work.



You can use an inclined plane to move all kinds of things.

The man in the picture below is pushing against the heavy crate to make it slide up the ramp.





You can also use an inclined plane to move yourself!

Which takes more energy—walking up a slide ladder or going down the slide?



If you said walking up the ladder takes more energy, you are right.

Inclined planes make it easier to move just about anything.





## Think and Share

Read Together

1. What would be another good title for this book?
2. If someone who had not read this book asked you what it was about, what would you say?
3. Draw a picture of an inclined plane. Label your picture. Write a sentence to go with it. Use these words: *against*, *goes*, *heavy*, *kind*.
4. Think about inclined planes you have used. Describe some of them in a chart like this.

**Inclined Plane**

**How I Used It**

hill

pull up my sled



People have been using inclined planes since long, long ago.  
Inclined planes are still helpful today.

