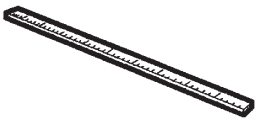
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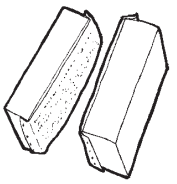
Investigate Log

Use a Lever

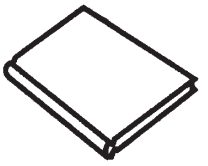
Materials



rigid meterstick



2 chalkboard erasers



small, thin book

1. Stack two chalkboard erasers to **make a model**.
2. Put the meterstick on top of the erasers. Put the book at one end of the meterstick.
3. Press down on one end of the meterstick. Watch what happens to the book.

   How did using the meterstick and erasers make lifting the book easier?

When you use a meterstick and a stack of erasers to make a lever, you do not have to push down very hard to raise the back. A lever lets you use less force to move something.

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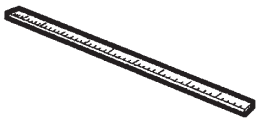
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Investigate Log

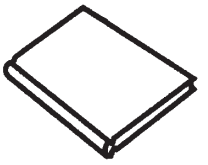
Investigate Further

When you draw conclusions, you use your observations and what you know. Draw conclusions about how the position of a lever changes how well it can do work.

Materials



rigid meterstick



small, thin book

1. Place the book on a tabletop, with its edge near the edge of the table. Put the meterstick under the book and have half of the stick hang out over the edge of the table.
2. Press down on your end of the meterstick. Watch what happens to the book.
3. Repeat Steps 1 and 2, but move the meterstick under the book more. Record what happens. Use your observations to **draw a conclusion**.

Possible answer: The ruler that hung out over the edge of the table more needed less force to move the book.

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