

Inclined Planes



Concept: Inclined planes make work easier.

What You Need –

- a stack of books
- two rubber bands
- a small plastic bag
- a cup of dried beans



What You Do –

- Put the beans into the plastic bag.
- Close the top of the bag with one rubber band.
- Cut the other band into a strip and tie one end to the band on the bag.
- Stack the books and lean one book against them as an inclined plane.
- Put the bag of beans on the table and lift it straight up to the top of the book stack.
- Measure the length of the rubber band strip.
- Put the bag of beans at the bottom of the inclined plane, and use the band strip to pull it to the top.
- Measure the length of the rubber band strip



What You Should Notice –

The rubber band strip was more stretched when you lifted the bag of beans straight up to the top of the stack.

Explanation –

Write your explanation here.

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