

FIRST FRICTION

Materials:

3 Large Books Bucket Fish Weights
Triple Beam Balance Ruler

What To Do

There is a bucket hanging by a string from the edge of the table. The string is looped through one of the books.

Begin with the book 5 cm from the edge of the table.

You are going to add weights to the bucket until the book begins to move. **PREDICT** how many weights it will take. Record this number on your answer sheet.

Add weights to the bucket one at a time until the book moves or starts to slide. Be sure and add the weights gently. Use the triple beam balance to find the mass of the weights that moved the books. Record on your answer sheet.

Repeat the experiment with a second & third book stacked on top of the first one. Record your results.

