

MORE FRICTION

Materials:

1 Large Book Bucket Fish Weights Masking Tape
Triple Beam Balance Ruler Wax Paper Foil Plastic Wrap Brown Paper

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 across the table. **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.

Tape a piece of wax paper to the table. Place the book on the paper & repeat the investigation. Repeat the experiment with the foil, plastic wrap and brown paper. Record your results.