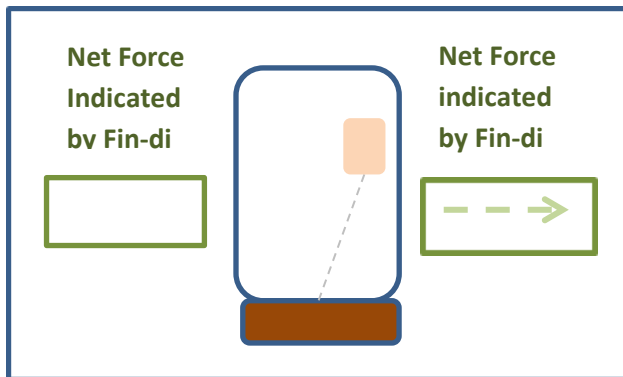


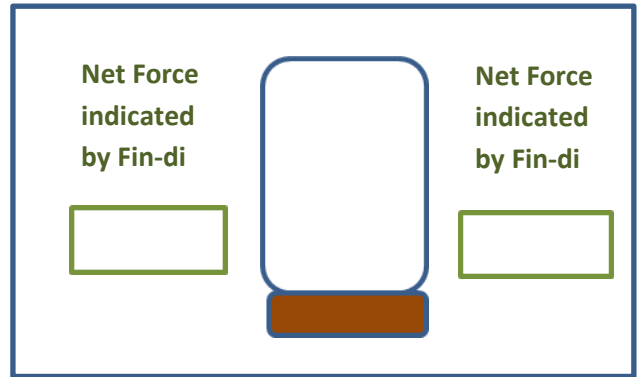
**Data Collection Sheet 1 For EXPLAIN section: Working with the Fin-di!**

- A. Push Fin-di across the table in a steady motion. Practice this motion several times so it travels 2 feet across the table.
- B. Draw the string and cork in **THREE** positions, Starting, Continued and Stopping Motion. Is the Fin-di moving to the Left or Right? (circle one)

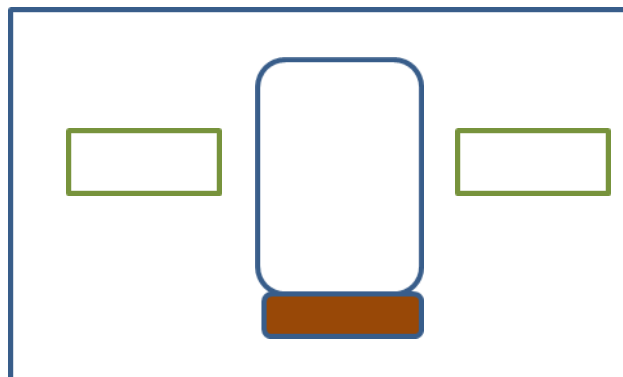
**1. Starting**



**2. Continued**



**3. Stopping**



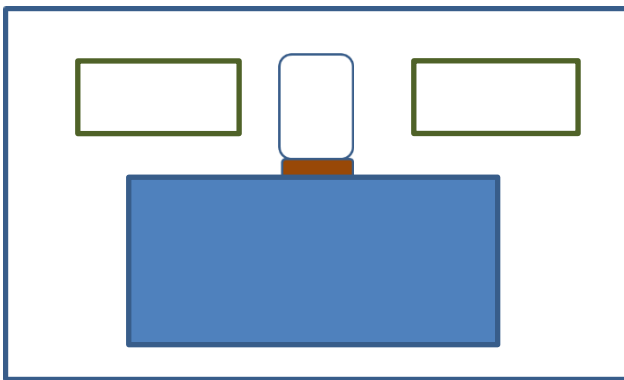
C. Now Draw Arrows for the Forces on the diagram above. Remember to draw direction and size for the arrows of forces.

**Data Collection Sheet 2 For ELABORATE Section: Using the Fin-di to find the force part 1!**

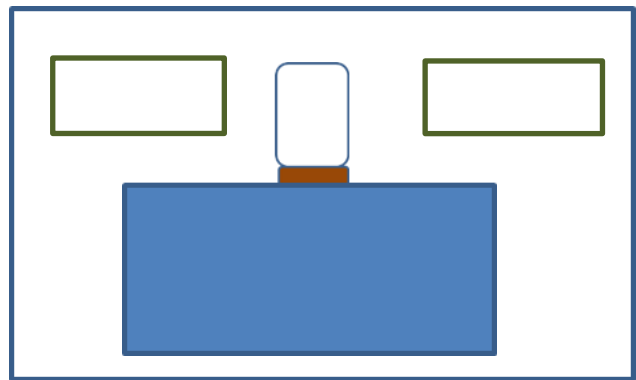
**A. Attach Fin-di to any object that can slide. Push object across the table in a steady motion. Practice this motion several times so it travels 2 feet across the table or floor.**

**B. Draw the string and cork in THREE positions, Starting, Continued and Stopping Motion. Circle direction of movement Left or Right.**

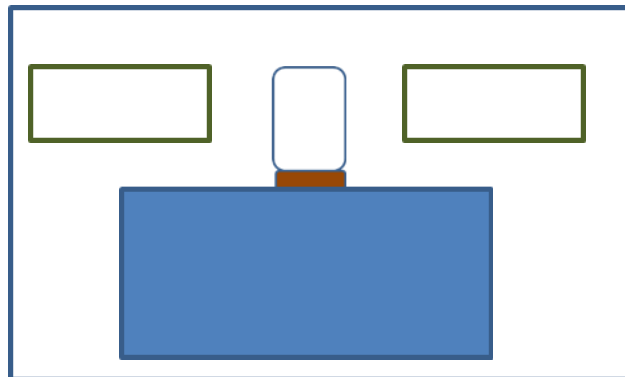
**1. Starting**



**2. Continued**



**3. Stopping**

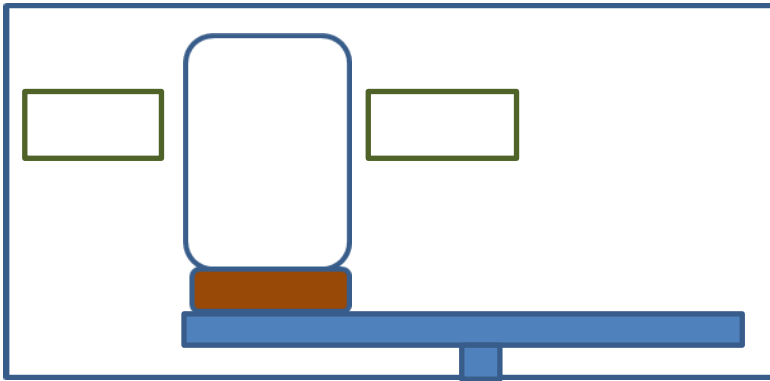


**C. Now Draw Arrows for the Forces on the diagram above. Remember to draw direction and size for the arrows of forces.**

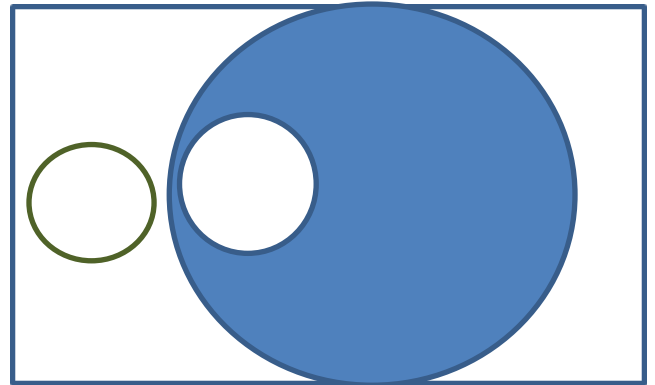
**Data Collection Sheet 3 for ELABORATE Section: Using Fin-di to find the force part 2!**

- A. Attach Fin-di to a spinning chair or lazy-susan.**
- B. During the spinning motion draw the string and cork at each position indicated in the diagram. Also draw the string and cork in top view.**

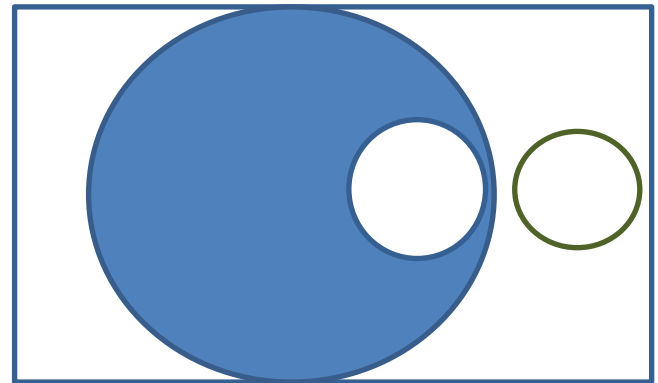
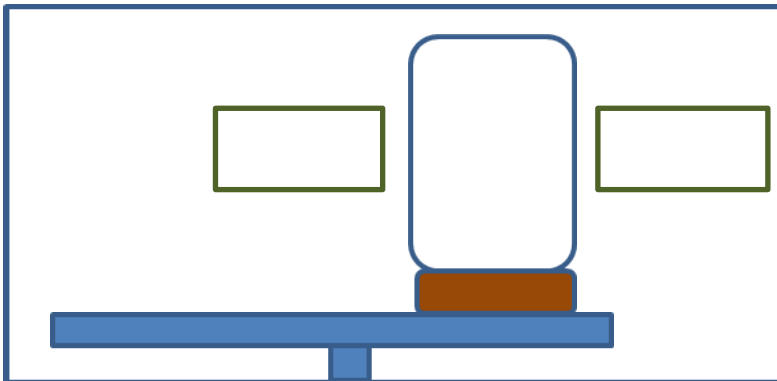
**Position 1**



**Top View of Fin-di**



**Position 2**



- C. Now Draw Arrows in the GREEN box or Green circle for the Forces on the diagram above. Remember to draw direction and size for the arrows.**

