

Station K – Force required to overcome Static Friction with different surfaces

1. Place the wood block on the apparatus with a 100g weight on it. Attach the string to the wood block. At the end of the string, attach weights, 20 g at a time, until the block starts to slide. Record the amount of weight that caused the block to slide. Repeat the process for the wood block with a mirror on the bottom and with the wood block with sandpaper on the bottom.

Data:

Type of surface	Weight to overcome Static Friction
wood	
mirror	
sandpaper	

Label the forces in this diagram:

