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Static and Kinetic Frictional F	orces
Purpose: Students will be able to measure the force required to overcome motion	e inertia and the force required to continue in
Materials: Block of wood, plank of wood, Force scale, varying masses	
Background: Define Static Frictional Force and Kinetic Frictional Force	
Hypothesize how much force will be required to overcome inertia compare Explain	red to the force required to continue in motion
Directions: Measure the mass of your block. (1) Attach the force scale to scale and record the maximum force measured prior to the block moving (still attached to the force scale) and record this as the Kinetic Frictional F the block and repeat steps 2-3. Add an additional 500 grams to the block Results: Construct a Data Table for your results on the back of this paper.	the end of the block. (2) Begin to pull the force (Static Frictional Force). (3) Then pull the block orce (while it is moving). (4) Add 500 grams to (totaling 1000 grams) and repeat steps 2-3.
Conclusion: Using Newton's 1 st and 2 nd Laws of Motion and results from y the force as more mass is added to the block. Explain which force is great	our data collection, explain what happens to

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