



Grade 8 Science

Unit 4: Systems in Action



Simple Machine Experiments

Today you will complete your first station for your simple machines experiments.

Remember that you need to document your observations both quantitative and qualitative, so that you can include them in your assignment. This includes:

- Measurements of system
- Measurements of forces
- Measurements of movement
- Written notes about how system "felt" (i.e., easier or harder than without)

There will be a timer set. That timer counts down to when you are done experimenting. You are to continue to explore the concepts at your station until the timer sounds. Marks will be deducted from students who are not experimenting while the timer is going.

When the timer sounds, it is your responsibility to clean your station.



Simple Machine Experiments

I have made the groups for this series of experiments, there will be no swapping.

It is everyone's responsibility to do their share of the work. Be sure that each member of the group has the opportunity to contribute both to conversation, and to the physical setting up of the systems.

Groups Here



Simple Machines Experiments

Today you complete your first of four stations, exploring simple machines and mechanical advantage.

When you arrive at your station, take some time to read through the experiment sheet. Following that, prior to starting, discuss any safety concerns with your group.

Please recall that you are to be experimenting throughout the duration of the timer, and do not forget to record your data.

When the timer sounds, you are to clean up all of your supplies, making sure your station is as it was (or better) when you found it.

