

# SIMPLE MACHINES PROJECT



Due: Wednesday, January 24<sup>th</sup>

Read the directions for the project carefully and follow them completely. You will present your completed project to the class on Jan 24<sup>th</sup>. If you need materials for your project please provide a detailed list of what you need signed by a parent or guardian and I will do my best to get it to you.

**INVENT A MACHINE:** Think about all of the work you do on a daily basis. Is there any task that you feel requires too much effort? Invent a simple machine or compound machine that will make the work easier. Used the attached study guide to help you review simple and compound machines.

## Your completed project must include:

- \_\_\_ A diagram (detailed picture) of the machine, identifying the simple machine(s) that made it.
- \_\_\_ A written description of the simple machine. Be sure to include the name of the machine, how it works, what simple machines are involved, and where you got the idea for the machine.
- \_\_\_ The simple machine must be brought to school with the diagram and written description. Be sure to test your machine and work out all of the kinks before your presentation.



## SCORING RUBRIC

|   | 1   | 2   | 3   | 4   |
|---|---|---|---|---|
| <b>Project</b><br>Project was turned in on time with name and date  | Project turned in more than one day late. Name and/or date missing.   | Project turned in one day late. Name and/or date missing.   | Most parts of the project turned in on time. Name and date included.  | All parts of the project turned in on time. Name and date included.   |
| <b>Complete</b><br>Student used at least one simple machines to create invention, included a diagram and a written description. | Did not follow the directions or include the necessary information  | Followed some of the directions and included some of the necessary information  | Followed most of the directions and included most of the necessary information  | Followed all directions and included all necessary information  |
| <b>Effort</b><br>The project displayed the student's best work across all areas: machine, diagram and writing                   | Machine not tested or working. Writing is difficult to read with no diagram. The student did not write in complete sentences. Project shows evidence of little thought or time being spent on it. | Machine was tested but not working for demonstration. Writing is sloppy with an unlabeled or unclear diagram. The student did not write in complete sentences. Project shows evidence of some thought and time being spent on it. | Machine was tested and working for demonstration. Writing was somewhat neat and included a labeled diagram. The student wrote in complete sentences. Project shows evidence of much thought and time being spent on it. | Machine was tested and working for demonstration. Writing was neat and included a colorful, labeled diagram. The student wrote using long, complete sentences. Project shows evidence of a lot of thought and time being spent on it. |

