

Simply Machines

Requirements: Draw a “Rube Goldberg”-style machine that uses at least 3 different types of simple machines to accomplish one task using a minimum of 10 steps. Types of simple machines: levers, pulleys, inclined planes, screws, wedges, and wheel and axles.

- You must use at least 3 different types of simple machines, but may use as many of each as needed. For example, you may use 3 levers, 2 pulleys, and 1 inclined plane.
- Must be neatly drawn and labeled using ABC’s to show order of steps from start to finish. You need to include at least 10 steps.
- Use good taste - no offensive drawings or words.
- Grading will be determined using the rubric below and based on originality/creativity, neatness, and meeting the requirements outlined above.

Task: _____

Grading Rubric	Great (3)	Good (2)	Fair (1)	Poor (0)
Task X2 = ____/6	Designed machine would accomplish the assigned task	Designed machine needs a few modifications to accomplish the assigned task	Machine is lacking major steps that would allow it accomplish the assigned task	Machine is not completed
# of Simple Machines X2 = ____/6	Includes at least 3 different types of simple machines	Includes at least 2 different types of simple machines	Includes only 1 type of simple machine	Machine is not completed
# of Steps X2 = ____/6	Includes 10 or more steps that are labeled and easy-to-follow	Includes 5-9 steps that are mostly labeled and easy-to-follow	Includes less than 4 steps or some steps are not labeled	Machine is not completed
Other X1 = ____/3	Diagram is neatly drawn, easy to read, and designed machine shows originality and/or creativity*	Diagram is good, but needs some corrections; designed machine shows originality and/or creativity*	Design is hard to understand/read; shows little originality and/or creativity*	Machine is not completed

**Not copied from another idea found online or from a classmate*

Total Points = _____/21 = _____%

Comments: