

**Rube Goldberg Poster/ Prototype (Total Value 50 Points) Part 1**

CATEGORY	5	3	2	1/ 0
Step- Originality	All of the steps used on the poster/prototype reflect an exceptional degree of student creativity/ originality in creation and/or display.	Most of the steps used on the poster/prototype reflect student creativity/ originality in creation and/or display.	Few steps were created or designed by the student. Some of the steps are based on the designs or ideas of others.	No steps used were created or designed by the student. All of the steps are based on the designs or ideas of others.
Step/Transformation - Relevance	All steps are related to the topic and are easy to follow/understand.	Most steps are related to the topic and most are easy to follow/ understand.	Few steps relate to the topic, and few are easy to follow/understand.	Steps do not relate to the topic OR are not easy to follow/ understand.
Picture -Clarity	All pictures are in focus/ drawn clearly and are easily viewed and identified from 6 ft. away.	Most pictures are in focus /drawn clearly and are easily viewed and identified from 6 ft. away.	Most pictures are in focus/drawn clearly and are easily viewed and identified <u>from 4 ft. away.</u>	Many pictures are not clear or are too small to see from a distance.
Labels	All items of importance on the poster are clearly labeled with labels that can be read from at least 3 ft. away.	Most items of importance on the poster are clearly labeled with labels that can be read from at least 3 ft. away.	Few items of importance on the poster are clearly labeled with labels that can be read from at least 3 ft. away.	Labels are too small to view OR no important items were labeled.
Required Elements	The poster includes all required elements as well as additional information.	All required elements are included on the poster.	All but 1 of the required elements is included on the poster.	Several required elements were missing.

### Rube Goldberg Poster/ Prototype Rubric Part 2

CATEGORY	5	3	2	1/ 0
Content – Accuracy/ Is it logical?	At least 5 logical steps and 3 energy transformations are displayed on the poster/ prototype.	3-4 logical steps and 2 energy transformations are displayed on the poster/prototype.	2-3 logical steps and 1energy transformation is displayed on the poster/prototype.	Only 1 logical step and or no energy transformation(s) is/are displayed on the poster/prototype.
Neatness	The poster is exceptionally neat/ attractive in terms of design, layout, and neatness.	The poster is neat/ attractive in terms of design, layout and neatness.	The poster is acceptably neat/ attractive, though it may be a bit messy.	The poster is distractingly messy or very poorly designed. It is not neat/ attractive.
Size	<b>Poster</b> is standard poster board size (22x28” or larger). <b>Prototype</b> is small enough for student to transport without assistance, but large enough to be seen clearly from the back of the classroom.	<b>Poster</b> is the size of a sheet of legal paper. <b>Prototype</b> is small enough for student to transport without assistance, and can be seen from 3-4 feet away.	<b>Poster</b> is the size of an open folder. <b>Prototype</b> is small enough to be transported without assistance, and can only be seen from 1-2 feet away.	<b>Poster</b> is the size of a standard sheet of copy paper or smaller. <b>Prototype</b> is miniature or too small to view comfortably.
Time	All parts of the project are turned in on time.	N/A	N/A	Any part of the project is turned in late or is missing. <b>*This will cause the student to not score above <u>70%.</u></b>
Rubrics	All rubric sheets are turned in with the project.	Most rubric sheets are turned in with the project.	Few rubric sheets are turned in with the project.	Rubric sheets were not turned in.

**Rube Goldberg Additional Item Rubrics (Total value 30 points)**

Please choose **ONE** of the following items to go along with your poster or prototype. **\*Circle your choice.**

**Trading Cards**

**Mobile**

**Newspaper or Magazine Articles**

***Trading Cards (Total Value 30 points)***

- Create a set of trading cards with at least 5 different energy transformations (**not used in your Rube Goldberg machine**).*
- The set should include a real world example of each energy transformation.*
- Each card should include a colored picture.*

*Total Points Received\_\_\_\_\_*

***Mobile (Total Value 30 points)***

- Create a mobile for at least 5 different energy transfers (**not used in your Rube Goldberg Machine**).*
- Include an everyday example of the energy transformations.*
- Include colored pictures.*
- Must have layers of information (not all one level).*

*Total Points Received\_\_\_\_\_*

***Newspaper Articles (Total Value 30 points)***

- Find 3 different newspaper or magazine articles with examples of energy transfers.*
- Create a poster for the articles (**all articles on one poster**).*
- Include a paragraph discussing the transfers that occur in each article.*