

Rube Goldberg Poster/ Prototype Rubric Part 1 of 2

CATEGORY	5	3	2	1/ 0
Step- Originality	All of the graphics used on the poster reflect an exceptional degree of student creativity in their creation and/or display.	Most of the graphics used on the poster reflect student creativity in their creation and/or display.	Few steps are created or designed by the student, but are based on the designs or ideas of others.	No steps made by the student are included.
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 make it easy to follow/ understand.	Few steps relate to the topic, and few make it 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 from 4 ft. away.	Many pictures are not clear or are too small.
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 of 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 1 energy transformation are 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	Poster is standard poster board size (22x28” or larger). Prototype is small enough for student to transport, but large enough to be seen clearly from the back of the classroom.	Poster is the size of a sheet of legal paper. Prototype is small enough for student to transport, and can only be seen from 3-4 feet away.	Poster is the size of an open folder. Prototype is small enough to be transported, and can only be seen from 1-2 feet away.	Poster is the size of a standard sheet of copy paper or smaller. Prototype is miniature or too small to view comfortably.
Time	All parts of the project are turned in on time.			Any part of the project is turned in late or is missing.*This will cause the student to not score above 70%.
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 are not turned in.

Rube Goldberg Additional Item Rubrics

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.