Rube Goldberg Activity

Objective: To create a Rube Goldberg machine. This means you must use a series of transfers of energy to do a simple task.

Rules:

* You must use safe objects
* It must start by one simple motion
* Must use transfer of energy to do the series of steps(potential, kinetic or mechanical are preferred

Showing it off

* Somehow you must address the following questions
1. Describe each step and state what energy is transferred
2. How did you come up with your idea?
3. What problems did you have while creating your machine and how did you fix them
4. Calculate potential and kinetic energy at least somewhere in your machine.
5. Provide a photo, video or drawing of your machine

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| --- | --- | --- | --- | --- | --- |
|  | 3 | 2 | 1 |  | **Mark** |
| Design  | Well designed, thought out, and had a clear point | Was lacking one of the requirements for a 3 | Was lacking two of the requirements for a 3 | X10 |  |
| Uses of energy | Uses at least 3 different kinds of energy and at least 7 different transfers of energy | Used at least 2 different kinds of energy and at least 5 different transfers of energy  | Used at least 1 different kinds of energy and at least 3 different transfers of energy | X40 |  |
| presentation | Presented all the information, was clear and well prepare | Was lacking one of the requirements for a 3 | Was lacking two of the requirements for a 3 | X10 |  |
| Link to learning | Can link creating the machine to what they have been learning in class using some examples and vocabulary | Understood that it linked to linked to what they have been learning in class but struggles with giving examples or vocabulary | Could not link the machine to what we have been learning in class but used some vocabulary or examples in the attempt | X40 |  |