Rube Goldberg Project



What is a Rube Goldberg Machine?

- Complex set of steps to achieve a goal
- Each step must affect the next step
- What does a "step" mean...









Our Rube Goldberg Requirements

- 8+ steps (remember what a step is)
- Must be in your designated space
- Must be taken down every day
- Cannot mark on the floor or tables
- Materials can be used from the community resources, however you can bring in your own
- Groups of 2-3 (you cannot work alone)

Schedule

				31
				Rube Goldberg Introduction
				Groups
3	4 (Wentzloff out)	5	6	7
Rube Goldberg Planning	Rube Goldberg Planning	Rube Goldberg Plans Due	Rube Goldberg Creation and Practice	Rube Goldberg Creation and Practice
10	11	12	13	14
Rube Goldberg Creation	Hour 1 Final Hour 1 Presents	Hour 2 and 3 Finals Hour 3 Presents	Hour 4 and 5 Finals Hours 5 Presents	Hour 6 and 7 Finals Hour 6 and 7 Presents
	Rube Goldberg Creation and Practice	Rube Goldberg Presentation	Rube Goldberg Presentation	Rube Goldberg Presentation

Proposal: Due Wednesday

- To scale (as much as possible) diagram of your proposed Rube Goldberg with labeled steps (numbered and explained). It must be realistic and possible for you to create in 4 days of practice and planning.
- All materials listed you need to use

Building and Practice Days

- You will work on your Rube Goldberg machine step by step. Step 1 to 2 works, Step 1, 2 and 3 works, etc.
 You must measure and plan exactly what you need in your scale drawing as you go. You cannot mark anything on the tables or floor with tape or markings
- Write down and practice your presentation on the day of the final. You will practice with your teacher on Friday or Monday before your final.

Day of Final

- □ You will have 30 minutes to set up your machine and practice.
- □ You must have your scale drawings to show to your teacher and class
- Presentation:
 - Explain each step and its cause and effect properties
 - □ How you use scale and proportion to create your design
- You will execute your Rube Goldberg machine (and it should work the first time!)

Friday Goals

- Choose group and tell teacher
- Begin brainstorming materials you want

to use

• Brainstorm steps you want to do (they don't have to work together... yet)

Hour 1 Groups

- 1. Ryan, Sage
- 2. Jenna, Hannah, Chris W
- 3. Paige, Nikita
- 4. Becky, Abby, Kennedi
- 5. Robert, Aditiya, Shane
- 6. Isaac, Alex, Aaron
- 7. August, Christian B, Michael
- 8. Ramiyah, Jeff, Christian S
- 9. Jon

Hour 5 Groups

- 1. Maurice, Sam, EJ
- 2. Quianna, Amanda, Octavia
- 3. Drew, Nick
- 4. Juni, Krystal
- 5. Desiree, Michale

Hour 6 Groups

- 1. Diana, Audrey, Nicole
- 2. Jason, Alan, Jack
- 3. Leo, Jasen V, Bayron
- 4. Rob, Jayden
- 5. Joey, Zain
- 6. Brandon, Cierra
- 7. Njeri

Due Wednesday Beginning of Class

- 1. Supply List on GC
- 2. Supply List with Specific Quantities
- 3. Detailed Drawing of Rube Goldberg Project
 - a. Collision/energy requirements labeled
 - b. Approximate distances between objects
 - c. Each step labeled