



TeachEngineering

STEM Curriculum for K-12

Rube Goldberg Machine

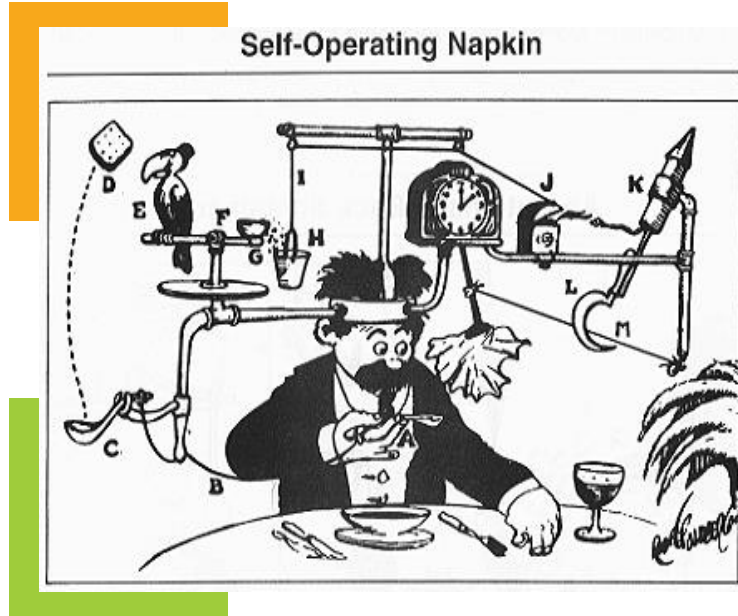


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What is a Rube Goldberg Machine?



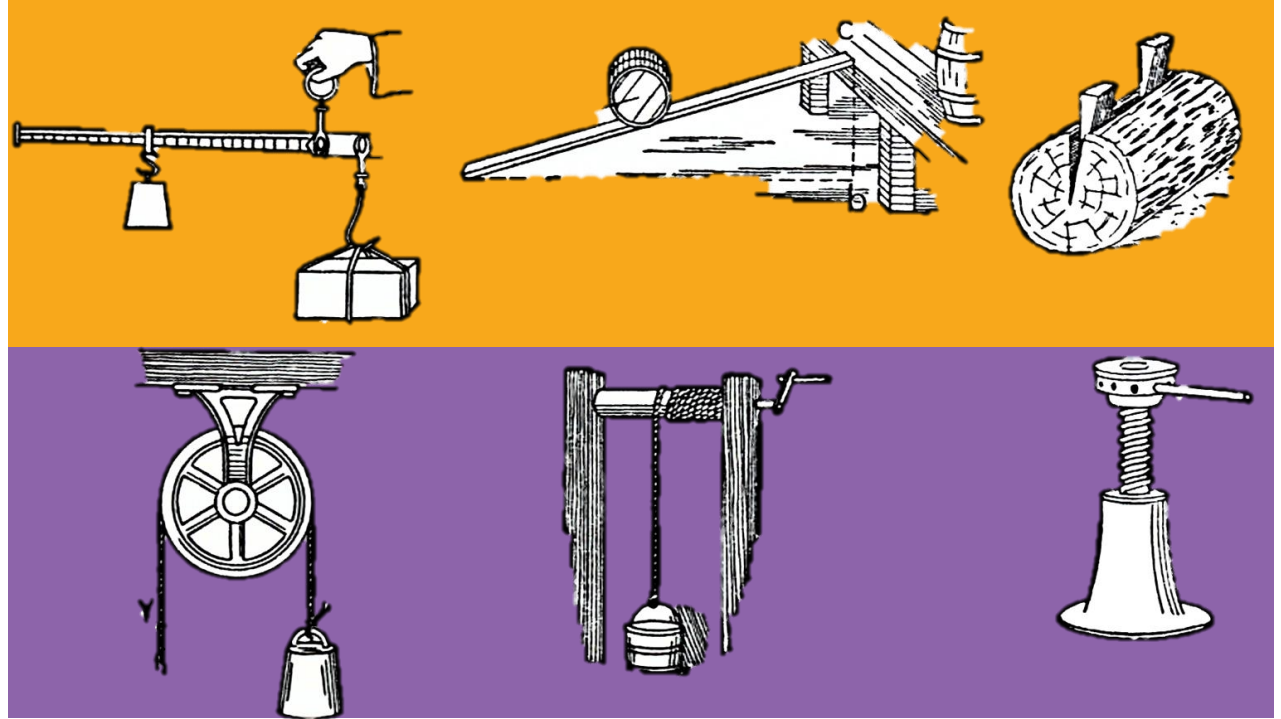
Q&A

- What makes a Rube Goldberg device unique?
- Who can name a simple machine?
- *Bonus:* How many types of simple machines exist?



Simple Machines

- Lever
- Wheel and axle
- Pulley
- Inclined plane
- Wedge
- Screw



Simple Machines

- Design a Rube Goldberg device that uses at least six simple machines sequentially.
- Try to use most materials: cardboard, tape, hot glue, popsicle sticks, string, marbles, cardboard tubes, drinking straws, plastic soda bottles, and dominoes.

Remember, you're not limited to just these materials; be creative!

- Use 3D printed components, if a printer is available.
- Each team member is responsible for at least two stages.
- Record your design in your notebook.

