

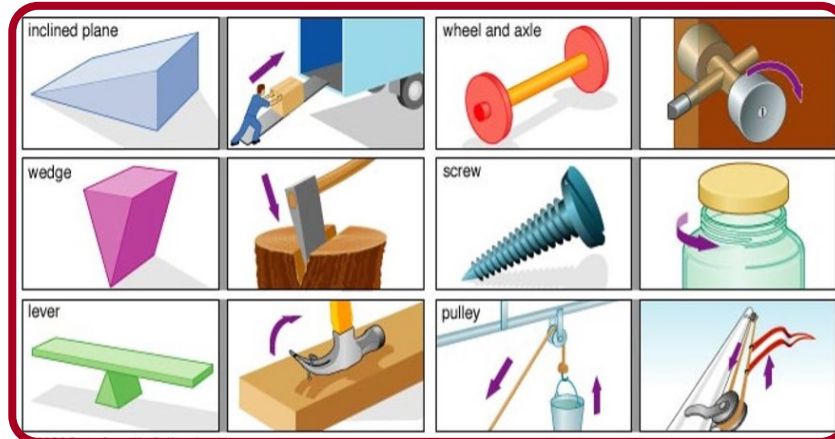
Year 6 Spring - DT - Mechanisms - Rube Goldberg machines.

Glossary:

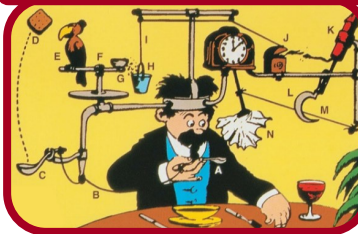
- Mechanism - a system of parts working together in a machine
- Machine - an apparatus using mechanical power and having several parts, each with a definite function and together performing a particular task
- Component - a part or element of a larger whole, especially a part of a machine or vehicle.



- Contraption - a machine or device that appears strange or unnecessarily complicated



Self-Operating Napkin



Sticky Knowledge:

- Know a machine is a device that does a physical task.
- Know who Rube Goldberg was and what he did.
- Know how to sequence different machines to perform a simple task.
- Know and use a variety of advanced tools for construction.

Wedge	Pushes material apart, cuts
Wheel and Axle	Makes it easy to move things by rolling them, and reducing friction
Lever	Helps lift heavy weights using longer distances
Inclined Plane	Makes it easier to move objects upward; a longer path, but easier lifting
Screw	Turns rotation into lengthwise movement
Pulley	Makes lifting heavy weights easier by redirecting force

Sample Rube Goldberg Machine

