

Review:

What is the name of the contraption we built last week? - Pantograph


Who was able to build a scissor claw?

Lesson: Rube Goldberg Contraption

Pass out this weeks worksheets - Go over with the class.

These contraptions are made purely for fun!

Engineering with Legos : Crazy Contraptions



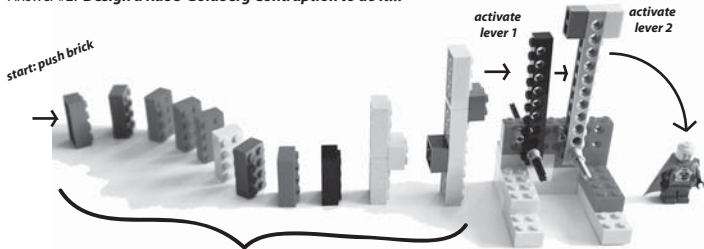
RUBE-GOLDBERG CONTRAPTION

An overly engineered and overly complicated machine made to perform a simple task in an overly complex way.
These contraptions are made just for fun!

What does all this mean???

Example

Question: How can we knock over the LEGO® minifigure
Answer #1: Just hit it over with your hand, duh!
Answer #2: **Design a Rube-Goldberg Contraption to do it!!!**



"Domino zone" Each brick will fall and knock the next one over. Eventually activating lever 1.

The above contraption has two different systems that work together. The first system is the "domino zone" and the second system are the levers. Once you get more experience with building these contraptions, you can add more systems to your project! Creating a Rube-Goldberg Contraption takes good planning, time, patience, and a lot of testing! Your project will not always work the first time, but keep on trying and adjust your machine as you test.

Can you design a contraption that knocks over the minifigure?

Challenge 1: Create a Rube-Goldberg contraption that has just 1 system.
 Challenge 2: Create a Rube-Goldberg contraption that has 2 systems.
 Challenge 3: Create one with 3 or 4 systems.

Challenge 1 - Team of 2

-Make a Rube Goldberg Contraption with one system, designed to knock over a LEGO minifigure

Challenge 2 - Team of 2

- Make a Rube Goldberg Contraption with two systems, designed to knock over a LEGO minifigure

Ultimate Challenge- Team of 2

- Can you build a Rube Goldberg Contraption to launch a minifigure??