

Create a Rube Goldberg

Like the famous cartoonist Rube Goldberg, you will design an unusual contraption that performs a simple task; this is called a Rube Goldberg.

The purpose of this project is technological design and use of simple machines.

You are to create a problem and come up with solutions to solve it. For example, you may want to create a contraption that will turn the pages of a book or drop ice into a cup. You must create a contraption with at least 3 causes and effects (use of at least 3 simple machines) as part of the design. See below for specifics.

Project specifications for your contraption:

- 1. The contraption should perform one task (such as turn book pages or drop ice into a cup.) The purpose must be clear.**
- 2. The contraption should be stable and can stand on its own.**
- 3. The contraption should be made using items found at home or borrowed from a friend. You are not required to purchase anything for this project.**
- 4. The contraption MUST use at least 3 simple machines.**
- 5. The time from start to finish of your contraption should be no more than one minute.**

Parent/Guardian Approval: Before you begin building your contraption, you **MUST** get parent/guardian approval to ensure that they approve of the Rube Goldberg design.

SAFETY: As you build your contraption, keep in mind that safety must be your first concern. Check with your parents before you use power tools, use electricity or lift heavy objects.

IDEAS FOR CONTRAPTIONS

PULL KLENNEX OUT OF THE BOX
PUT A GOLF BALL IN A HOLE
PLACE TOOTHPASTE ON BRUSH
HIT A TARGET WITH SOMETHING
SWITCH SOMETHING ON

LAUNCHING A PAPER AIRPLANE
RING A BELL
PUT AN ICE INTO A CUP
TURN ON A FLASHLIGHT
STAPLE SOMETHING

OR ANY OTHER SIMPLE TASK!