



CHAIN REACTION STARTER KIT



I KNOW WHAT WE'RE GOING TO DO
TODAY! WE'RE GOING TO BUILD
A CHAIN REACTION IN
THE KITCHEN!



CHAIN RE•AC•TION

A series of events, each caused by the
previous one.

Follow these instructions to build a test Chain Reaction! Feel free to tweak the instructions to make the chain reaction even more exciting!

MATERIALS

Gather the following items from around the house.

TABLE
BOOKS
TENNIS BALL
CARDBOARD
RULER

BUCKET
EMPTY TOILET PAPER ROLL
CD CASE
TAPE
PHINEAS & FERB CUTOUTS

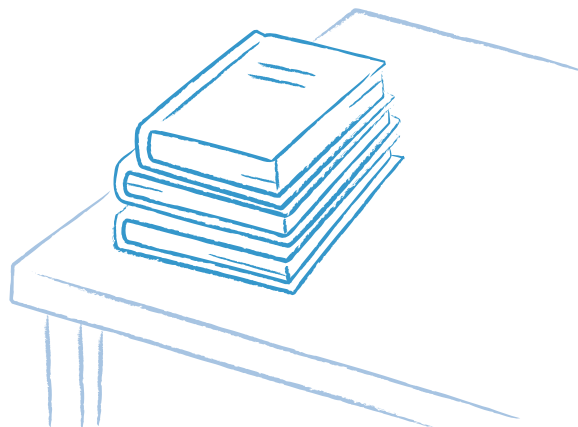




SETUP

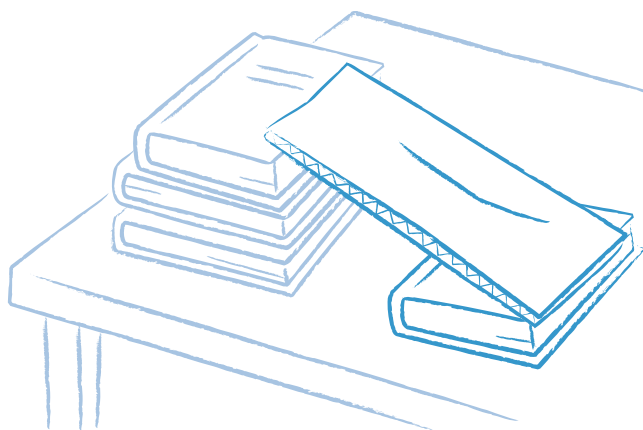
STEP 1

Setup a stack of books a few feet from the edge of the table.



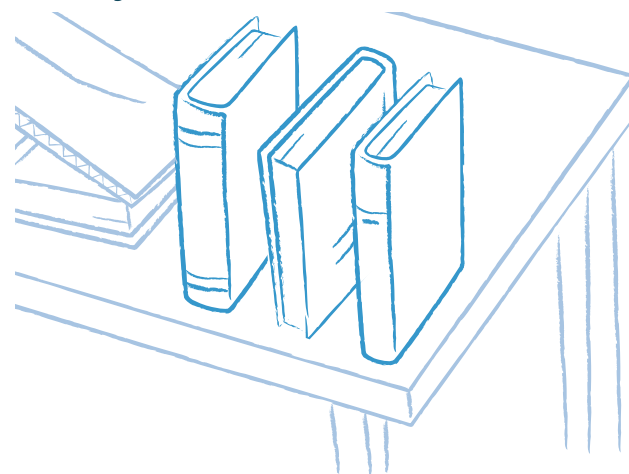
STEP 2

Create a ramp with your cardboard by placing one end on the stack of books and placing the other end on a single book. Use tape to secure it in place.



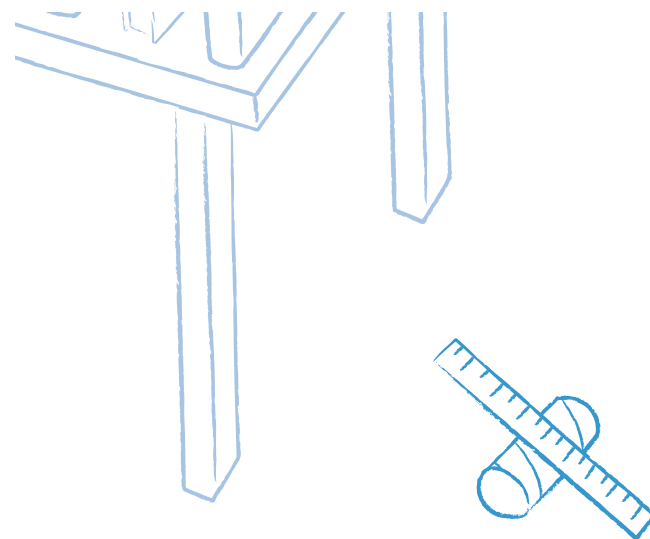
STEP 3

Setup 3 or more books (depending on the length of your table) so that they span from the ramp all the way to the edge.



STEP 4

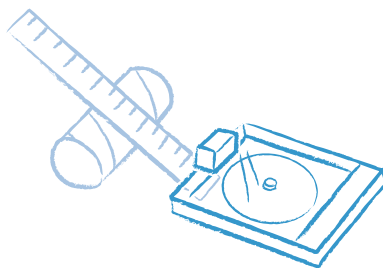
Take empty toilet paper roll and place ruler on it in a teeter totter manner. Use tape to secure ruler to roll.





STEP 5

Place CD case on end of ruler with small square/rectangular object on the end closest to the ruler.

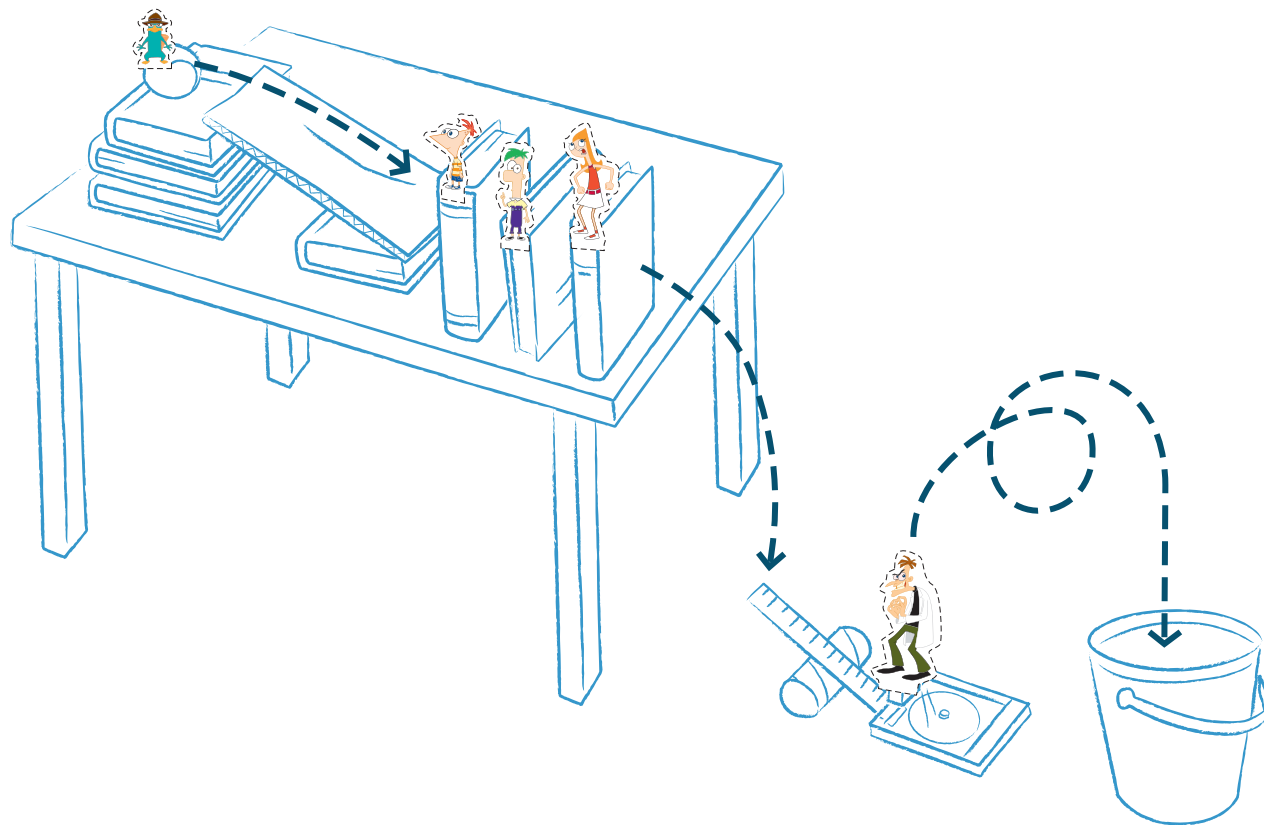


STEP 6

Place Bucket about a foot or so from the end of the ruler.

STEP 7

Now tape your cut out characters to the various chain reaction pieces!



TESTING THE CHAIN REACTION

The setup is now complete! Test the chain reaction by sending the tennis ball down the ramp that is setup on the stack of books. Don't worry if it doesn't work the first time, chain reactions usually require various adjustments before working 100% successfully!

The goal of this chain reaction is to make the object on the end of the ruler land in the bucket. See if you can make the necessary adjustments to score a goal!

