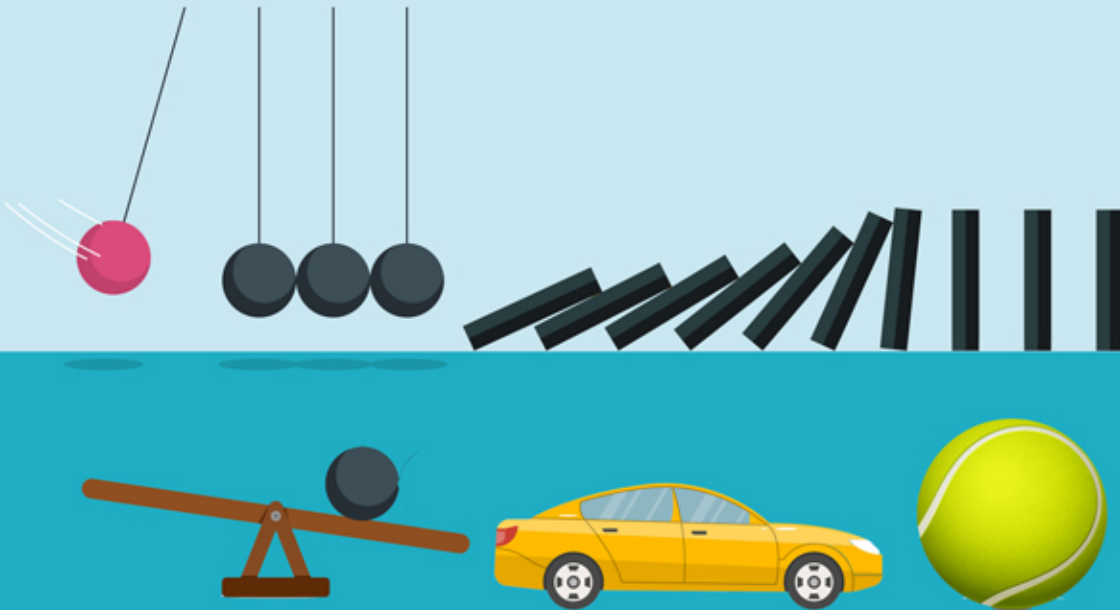


# CHAIN REACTION MACHINE



GET LEARNING



45 MINUTES



PREPARATION  
NEEDED

## ▶▶ GETTING INTO THE ACTIVITY

Design a chain reaction machine using things you find around the house.

Chain reaction machines use lots of household items to perform a simple task in a very complicated way. Set one up in your house using what you can find. Could you create a machine that rings a bell, pops a balloon, opens a door or puts out a candle?

Here some ideas of items you could use . . .

Things that Move: Marbles, Balls, Toy Cars, Skateboard, Dominoes  
Ramps: Toy Train Tracks, Marble Runs, Books, Trays, Pipe  
Household Items: Lolly Sticks, Ruler, String, Tape, Pins, Water

For some help and inspiration head to YouTube and search for **Joseph's Machines**. Your machine doesn't need to be as complicated but should include at least 5 different reactions.

Take a video of your chain reaction machine and share it with your BB group or post on social media using #BBatHOME.

## ✔✔ WHAT YOU'LL NEED

- Household objects such as cardboard tubes, boxes, ramps, cups, toys, balls, cars, dominoes, balloons, string, DVDs, kitchen utensils, marbles, stationery etc.

## ! NOTES FOR PARENTS & CARERS

Some guidance on what space and equipment to use to build the chain reaction machine may be needed. An adult should initiate any contact with the BB group and/or share on social media.