

# HOW TO CREATE A SHOE BOX SOCCER

BY VOLVO X FLYING CAPE

The European cup might be postponed, but let's upcycle a shoebox into a homemade football game! This fabulous DIY table football is a perfect craft-making activity with your kids and having loads of fun with!

## MATERIALS

- 10 wooden clothespins
  - A shoe box
- 4 wooden dowels or skewers
  - A pingpong ball
- 2 different coloured Markers
  - Ruler
  - Scissors
- A knife or sharp object to make holes

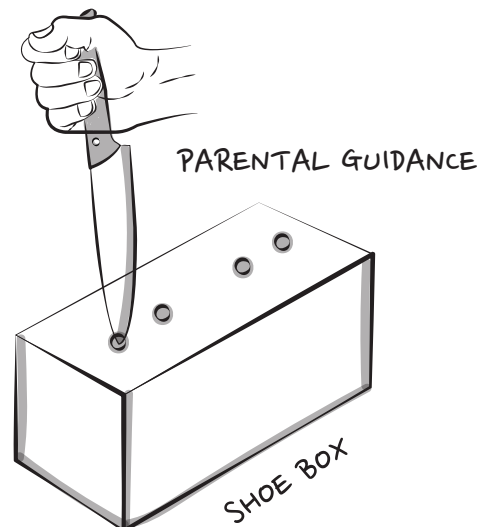
### Safety Reminder:

Remember, ask an adult to help when handling sharp objects.  
Be careful at all times.

## INSTRUCTIONS

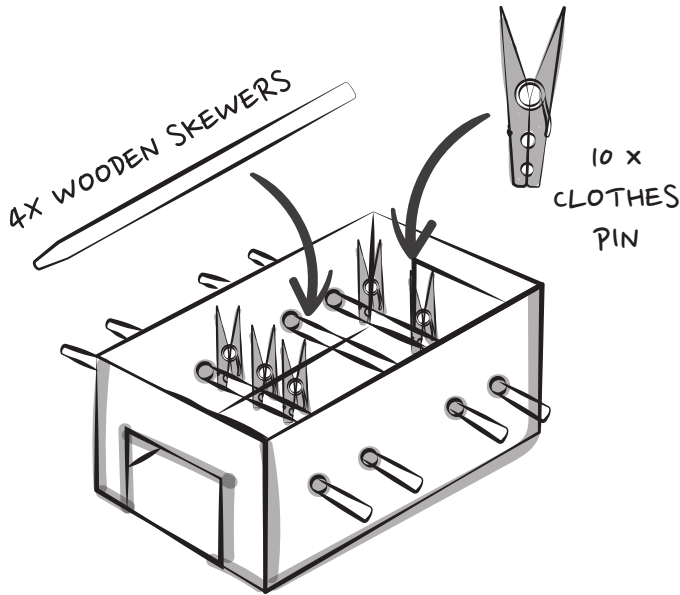
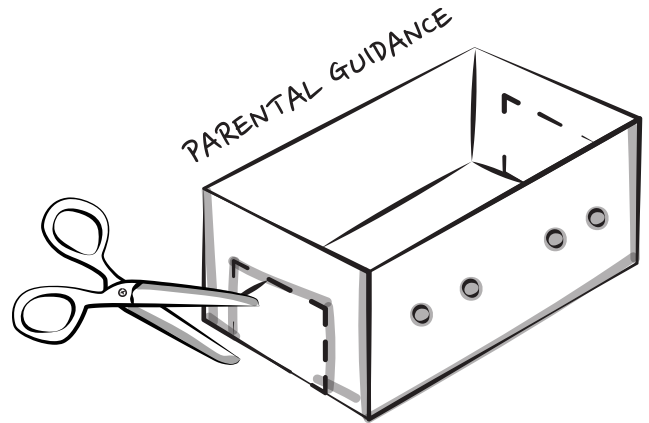
### STEP 1

Using the knife (with the help of an adult), make 4 holes on the sides of the shoe box, big enough to fit the wooden dowels. Ideally, the holes should be at least 3 inches from the bottom of the box or high enough so that the clothespins wouldn't touch the base of the box and 2-3 inches away from the ends of the box.



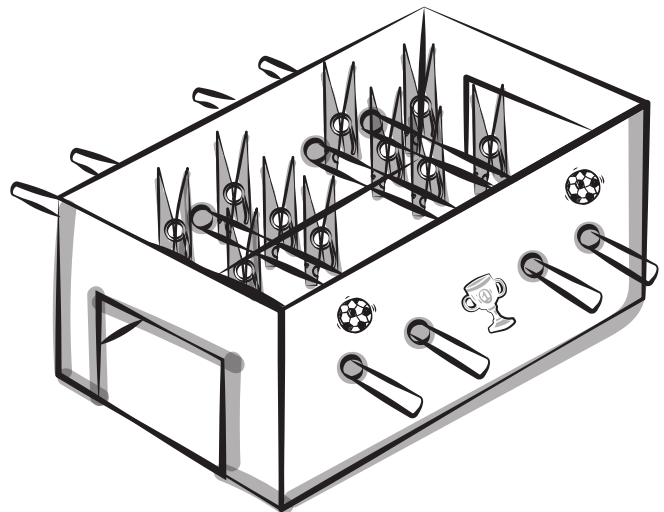
## STEP 2

Make the goalpost by cutting a rectangular hole at both sides (shorter) of the box. This hole should be big enough for the ball to fit through easily.



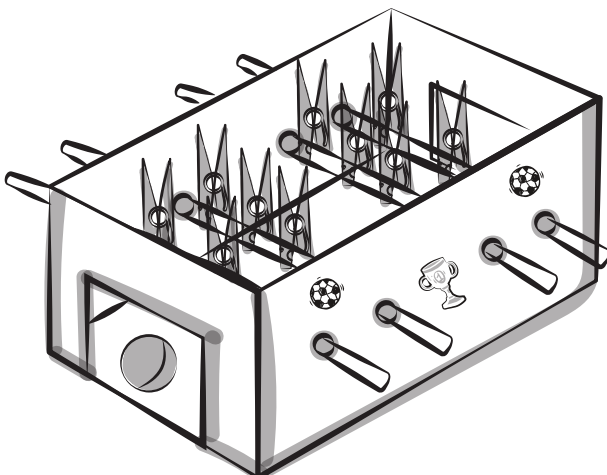
## STEP 3

Slot the 4 dowels through the holes. Attach 3 wooden clothespins on the middle dowel and 2 clothespins on the other 2 dowels. These would represent the soccer players.



## STEP 4

Using the marker, you may then decorate the exterior of the box and each player to differentiate the teams they represent. You may also make markings on the base of the box to represent the layout of a soccer field.



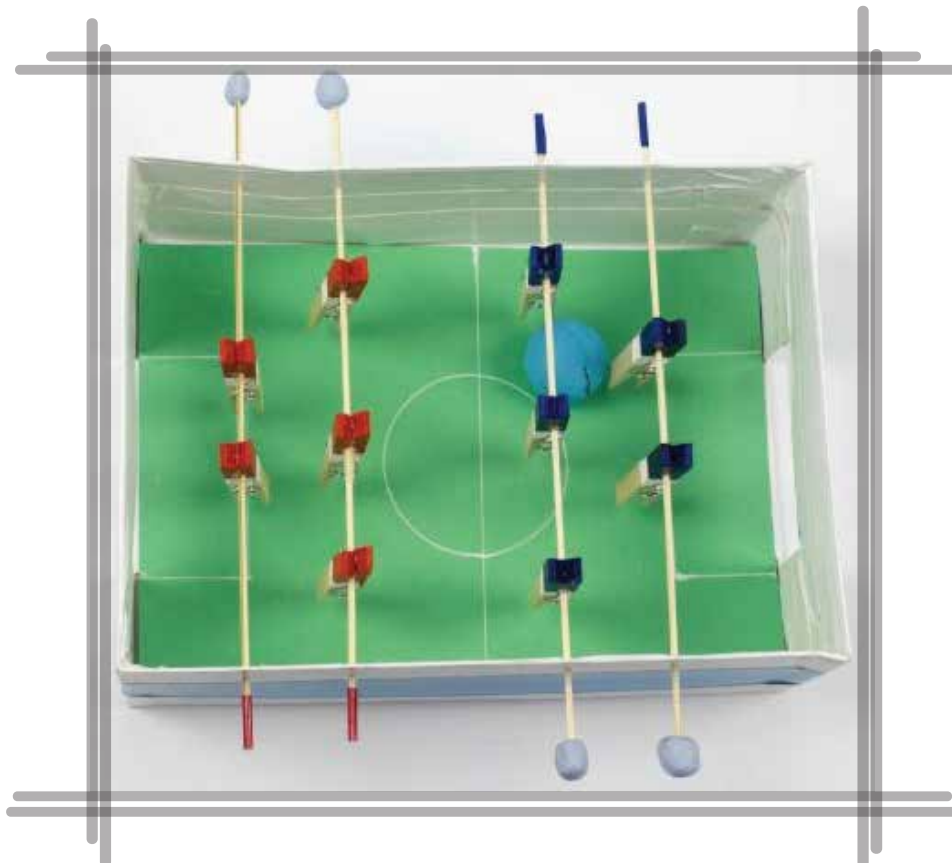
## HOW TO PLAY:

1. Place the ping pong ball in the box and each player would need to turn the dowels so that the clothespins would kick the ball towards the goal.
2. Player with the most goals wins the game
3. You're now ready for the world cup. Enjoy!

## EXPLANATION:

Newton's first law plays a role in soccer. The soccer ball, when kicked, keeps going forward until friction, a person, or another object like a wall stops it. When a soccer ball is resting (non-moving) on the ground, it will stay like that in the same position until someone kicks it or another force acts upon it. When a soccer ball is kicked, a certain amount of energy is transferred by the kick. The ball gains an equal amount of energy, mostly in the form of kinetic energy.

## EXPERIMENT PICTURE



Source: Image from  
[www.muminthemadhouse.com/shoebbox-table-football-foosball/](http://www.muminthemadhouse.com/shoebbox-table-football-foosball/)

Experiment provided by Smart Science Lab