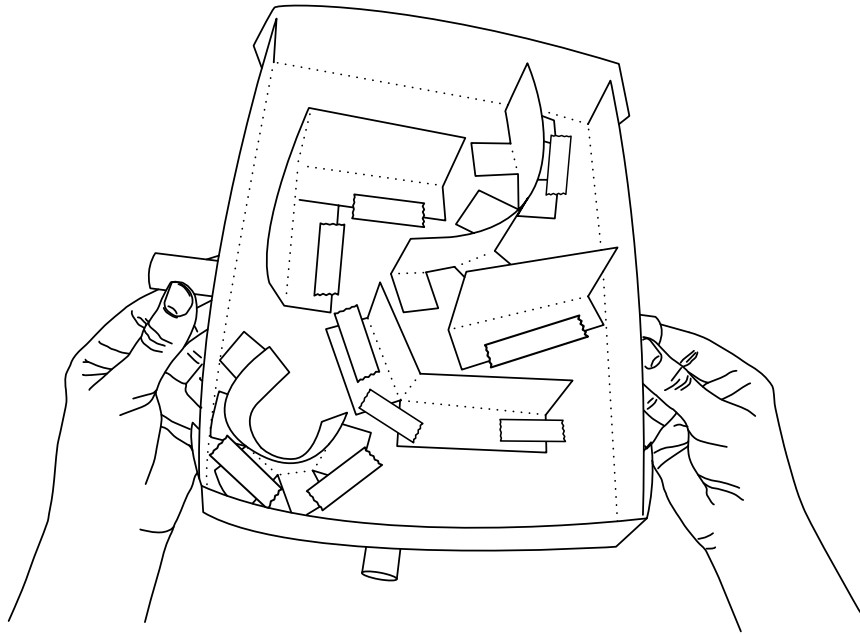
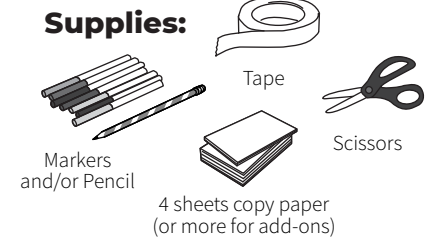


Tilting Maze

A DIY gravity game

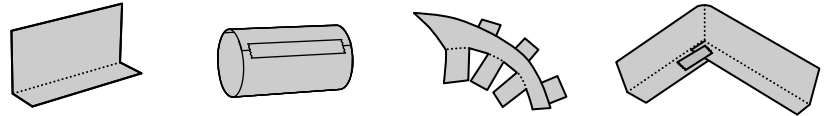


Build a tilting maze.
Experiment with
gravitational forces
through play.

Add barriers, tunnels,
goals & more!

Adjust & Add On

Here are a few ideas for components
to add to your tilting maze!

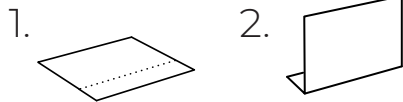


Paper Ball



Crumple a scrap of
paper into a ball

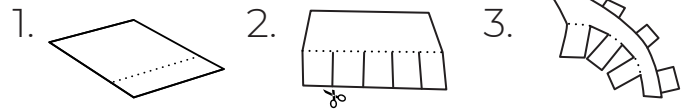
Straight Barrier



1. Fold approximately
1/4 from edge

2. Fold and
stand upright

Curved Barrier



1. Fold approximately
1/4 from edge

2. Cut slits from edge to
fold line

3. Fold flaps to
opposite sides

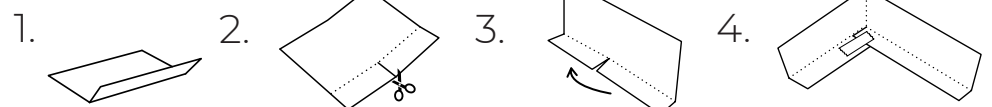
Tunnel



1. Put tape on one
edge of paper

2. Bring taped edge
over the other edge

Corner Barrier



1. Crease approximately
1/4 from edge

2. Cut slit from edge of
paper to fold line

3. Overlap flaps to
make a corner

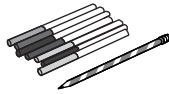
4. Overlap flaps and
tape in place

Create a Tilting Maze

Supplies:



Tape



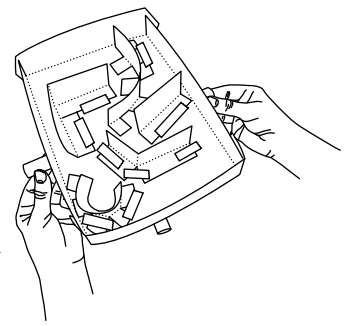
Markers
and/or Pencil



Scissors



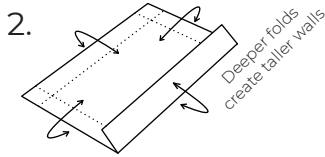
4 sheets copy paper
(or more for
add-ons)



Assemble Tray

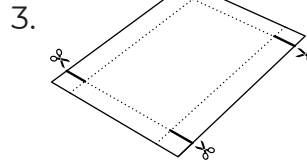


Use 1 sheet of
copy paper

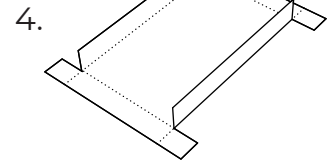


Crease all 4 edges
inward to make walls

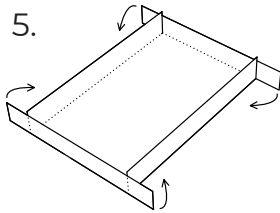
Deeper folds
create taller walls



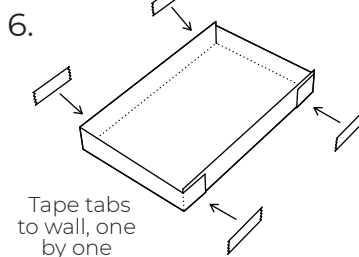
Cut slits from edge of paper to
intersection of fold lines



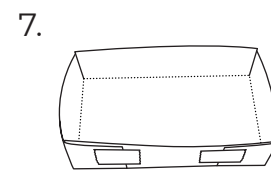
Fold edges up to
make walls



Fold tabs inward

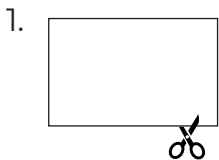


Tape tabs
to wall, one
by one

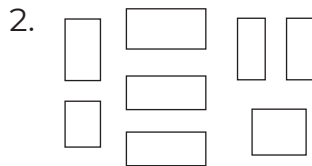


Finished tray

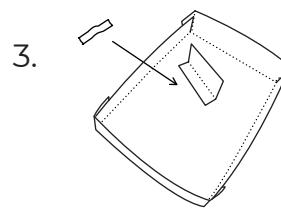
Add Barriers



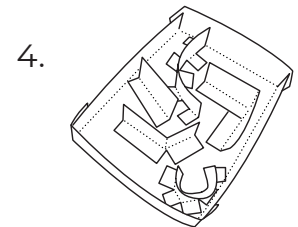
Use 1 sheet of
copy paper



Cut paper into rectangles
of different dimensions

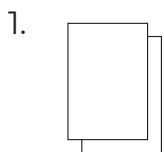


Make barriers, tape to tray

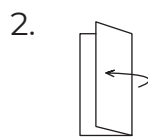


Create maze

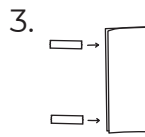
Make Handle



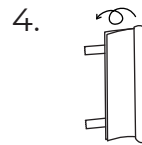
Use 2 sheets of
copy paper



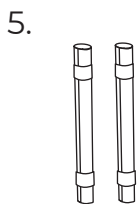
Fold each sheet
in half, **long edge
to long edge**



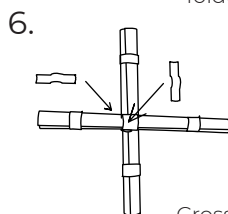
Place tape
sticky side up
on open edge of
folded sheet



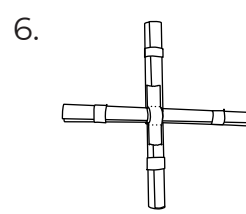
Tightly roll folded
sheet into a tube



Make two
tubes

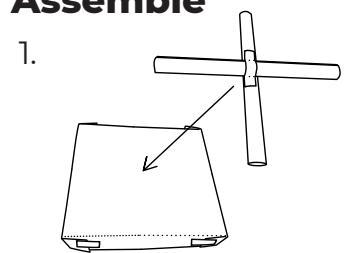


Cross segments,
tape them together
on front and back

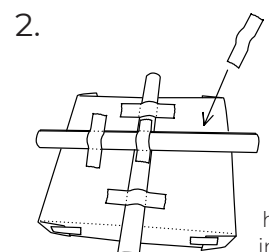


Finished
handle

Assemble



Place handle on back of tray



Tape
handle
in place