

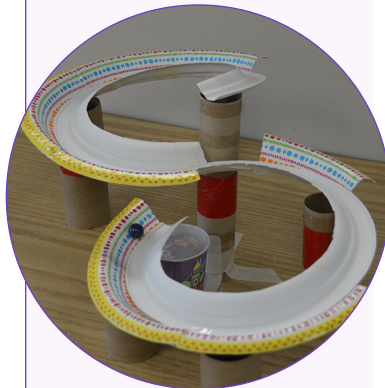
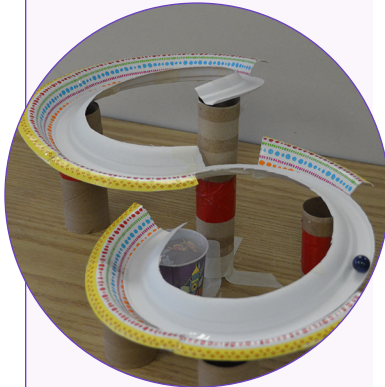
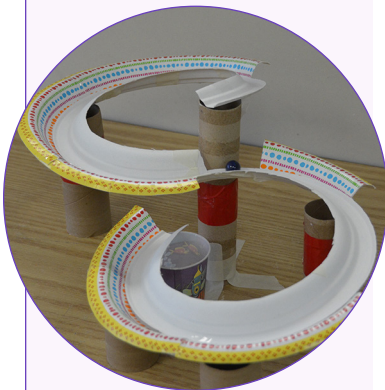


Explore gravity, forces, momentum  
and the engineering process  
in this fun and fast activity!

# PAPER PLATE COASTERS

## What you need:

A few sturdy paper plates, scissors, tape, paper towel rolls / toilet paper rolls / Lego or wooden blocks, and marbles



## What to do:

1. Introduce the engineering process of planning, building, testing, modifying, and re-testing.
2. Have children plan their coaster and prepare their materials by cutting the rim from several paper plates and discarding the middle pieces.
3. They can use building blocks or paper towel and toilet rolls to support the roller coaster at appropriate positions, taping them together or cutting them smaller as needed.
4. Have children test the coaster frequently by rolling a marble along the section they've built and tweaking their design.
5. If the marble consistently runs off the track on a tight turn, they can tape small sections of paper plate rims along the outside curve to build up the corners and keep the marble on track.