

# Blossom's Brainiac Board

## MAKE IT MONDAY

### Zip Line:

Design a zip line to get your favorite doll, stuffed toy, or action figure from one height to another (table to floor)!



## Water Wednesday

### Float your boat:

Use water, pennies (or small rocks, pebbles), foil and a container to hold water. Add some water to the container. Create a foil boat and put it in the water (make sure it floats). Next, add pennies (or pebbles) one by one.

Share how many pennies it took to sink your boat!!

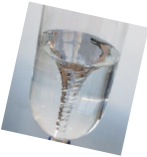


## Fun Friday

Engineers study fluid movement to design, planes, cars, and water management systems.

### Create a tornado in a bottle!

Fill a plastic bottle  $\frac{3}{4}$  full of water, replace lid tightly, flip upside down, move in a circular motion, and observe!



## Time for Science Tuesday

Chemical Engineers are called on to scale-up chemical processes. Scale-up your next experiment like the participants in this video!

[https://www.youtube.com/watch?v=Kou7ur5xt\\_4](https://www.youtube.com/watch?v=Kou7ur5xt_4)

## Take a trip Thursday

Engineering designs are often inspired by nature! Do any of the animals, plants, and fossils at the Smithsonian Museum of Natural History inspire you?

[https://naturalhistory2.si.edu/vt3/NMNH/z\\_tour-022.html](https://naturalhistory2.si.edu/vt3/NMNH/z_tour-022.html)

Thank you vivifsystem.com, nmnaturalhistory.org, coolscienceexperimentshq.com, YouTube, Science Buddies, Pinterest and Smithsonian for providing these ideas!



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