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*Raven Hill Discovery Center is a 501(c)(3) tax-exempt corporation.*

**Mission:** Raven Hill provides a place that enhances hands-on and lifelong learning for all ages by connecting science, history & the arts.

## Water exerts pressure

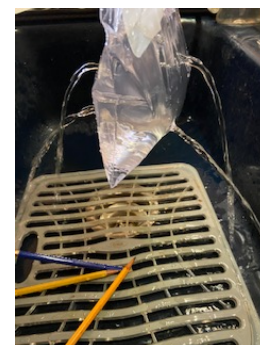
Have you ever jumped into the water and felt the pressure on your ears, when you went deep down? Water exerts pressure, which is logical, BUT can also be fun! This is best done over the sink. Fill a Ziploc plastic bag almost full with water and seal. Careful, it will be heavy. Holding it over the sink, slowly and carefully push a pencil through one side of the bag and out the other at an angle, so the holes are not straight across from each other. Surprise: no water comes out! Push another pencil in and out at also a different angle and then add a third pencil. How many holes do you now have in the bag? Holding the bag OVER THE SINK, pull all three pencils out as fast as possible. Notice that the water coming out the top holes don't shoot out very far, compared to the water shooting out much further from the lowest or bottom hole. There's more water pressing down on the water at the bottom of the bag, so it shoots out further!



1 Gather supplies



2. Fill bag & push pencils thru



3. Pull pencils out OVER a sink!

The water shoots out further from the lower holes: MORE WATER PRESSING DOWN FROM ABOVE!!  
Have fun and clean up afterwards!

**Note:** Email [cheri@miravenhill.org](mailto:cheri@miravenhill.org) for Home Learning Opportunities: Week 1 & 2 and, as the week goes on, check out the entire **Week 3** activities on our website: [www.MiRavenHill.org](http://www.MiRavenHill.org)

Also, new on the website: **Raven Hill Memories**. Each day, there will be a photo montage from somewhere at Raven Hill. Check it out each day and email [cheri@miravenhill.org](mailto:cheri@miravenhill.org), if you want to see previous montages. **ENJOY!**