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

## Comparing Volumes

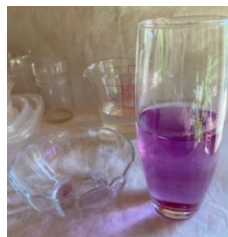
Predicting and pouring are “on tap” for today! You will need some water and several kitchen containers of different shapes, but similar sizes. You can use food coloring, if you want. And this can get messy, so you might want to do it over the sink or over a shallow container that can catch any spills! You can use measuring cups, plastic glasses or plastic storage containers. Each container has a shape. Water takes the same shape as the container it is in. To be safe, do not drink any water you are using for this experiment. Fill one container with water. Add a drop food coloring (optional). Choose a different container and predict, if it will hold all the water from the first container. Pour it in and see. Pour water from one container to another and sequence the containers. That is, put them in order from the one that holds the most water to the one that holds the least. You have sequenced them “by volume”. I sequenced four containers here, from smallest on the left & largest on the right. Try “adding” water from two small containers to “equal” a larger container. Rinse and dry all the containers and put them away, when you are done predicting and pouring!



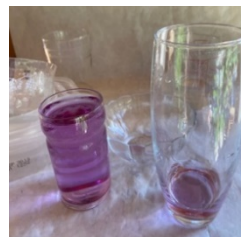
1 Volume supplies



2 Fill container #1



3 Pour into container #2



4 Pour into #3



5 Pour into #4 & sequence