Procedure

## The Problem

How does flowrate impact the distribution of water striders?

## Materials

* (1) Styrofoam ball
* (1) Notepad
* (1) Pencil
* (1) Small net
* (1) Small container
* (1) Map of creek with site numbers

Procedure

1. Gather materials, ommitting the container and net if not required for this day's experiment.
2. Procede to creek and to each predesignated study site.
3. For each study site, do the following steps:
   1. Write down any relevant information regarding the site.
   2. Record the number and size of [water striders](http://docs.google.com/waters.htm) in the area.(On map)
   3. Caclulate flowrate as follows:
      1. Place styrofoam ball in water.
      2. Count for 5 seconds while ball floats.
      3. Take number of centimeters that ball traveled and divide by 5 to get the flowrate in cmps.
      4. Record the flowrate on the map.  
         *Note: This method of measuring flowrate is not entirely accurate and, as such, one must be careful when interpreting the data found using this method.*
   4. If net and container have been brought along and a sample is required, catch a [water strider](http://docs.google.com/waters.htm) using the net and place it in the container. Bring this container back to the classroom for study.
   5. Record any final observations relating to the site.
4. Record any other observations relating to the trip

*If you have any questions or comments about this site, contact me* [*here*](mailto:allenbrant@msn.com)*.*