



Temperature

Procedure with Vernier LabQuest:

- 1) Power up the LabQuest.
- 2) Plug the temperature probe into the LabQuest right away (**plug into any channel**) to ensure a warm up time of at least **4 minutes** before sampling. (This should be done as your next group is in transition to your station so while you are welcoming them and explaining the WQ station your probes are warming up).
- 3) Place the tip of the temperature probe into the water source being sampled. The probe must constantly have moving water on the tip to get an accurate reading, so, be sure to keep the probe moving in a swirling motion while taking tests. **Only place the tip of the probe in, do not let the black handle touch the water.**
- 4) Keep the tip of the probe in the water until the reading on the screen of the LabQuest has become steady (the reading may not fully stop on one number but as long as the numbers are relatively stable then you can record the pH level). **It will take no less than 45 seconds with constant water flow over the tip of the probe to obtain an accurate reading.**
- 5) In order to change the unit of measurement ($^{\circ}\text{C}/^{\circ}\text{F}$) press the screen, using the stylus, in the box that contains the temperature reading, this will give you a drop down menu and allow you to change between units of measurement. **You must perform this action while the probe is still in the water to maintain a consistent reading.**
- 6) Rinse the tip of the probe with distilled water and make sure the probe has been dried off. It is now safe to unplug the probe from the LabQuest and put it away.