Pond Construction

❑ Label your container with your period and name. Write near the rim so you don't obscure the pond.
❑ Take container to gravel station. Fill one small jar with gravel. Dump gravel into the bottom of the container.
❑ Take container to soil station. Use brown scoop to get one scoop NOT FULL of soil.
❑ Leave container at table. Go to leaf station and take 1/2 leaf back to your table. Use scissors to cut them into VERY small pieces on top of the soil.
❑ Leave container at table. Go to hay station and take ONE strand back to your table. Use scissors to cut it into VERY small pieces on top of the soil.
❑ Take container to water station. Use the graduated cylinder to measure 350 mL of **SPRING** water and pour it **GENTLY** into the container. Note: You'll need to measure 250 mL and then another 100 mL After you take the container back to your table do not move it so it will settle.
STOP here, we will let ponds settle before we add the *Lemna* and *Azolla* next week..
❑ Make your initial measurements and observations of *Lemna* and *Azolla.* Record in the Google Sheet you have set up. The google sheet should be shared with your partner.
❑ Take photos from both the top and the side, import into Notability and add labels and captions. In addition to whole pond photos you may want to take up close pictures of the Lemna and Azolla.

Notability and Pond Pictures

Managing Photos
Within your photos create an album for Science—this should help you keep the photos organized—we may need to create more specific albums later, but this is a start.

Taking Photos
Take TWO pictures—one of the side view of the pond and one top view. Store in your Science Album. Read the tips below <u>before</u> taking your pictures.
• Figure out how to take the picture at a right angle (90°).
• Center the picture in the field of view.
• For the side view, make sure you can see your name.
• Decide on your best two photos (one side and one top) and delete the rest.
• Add the two photos to your Science Album.
• Crop the photos if needed so that your photo is at least 75% pond.

Processing in Notability
• Add your two photos to the table below. You may need to resize them so they fit in the correct box.
• Add a caption to each photo that includes the date and a description. Tap the photo, then tap the "add caption here" box at the bottom of the picture.
• We found that keeping the ipad in portrait position was an easier view to work with.
• Play around with labeling: leaves, hay, *Lemna, Azolla,* water, soil, gravel
   o What order do you want to put the labels in so your lines don't cross? Tap the "t" and then tap the page on the left margin to drop the cursor.
   o Think about what color of ink will show up the best for the lines. Tap the pencil at the top twice to choose line color and thickness.