

The Salmon Brook Ecology Center



Presenters:

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Annabelle Leitao (7)
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What is in the Ecology Center Building?

- 3 tanks for raising juveniles
- 1 nursery and 1 tank for raising eggs and fry
- It has 2 stories one for the tanks/classroom and the other for mechanical/water pressure



The System

Upstairs

well - adds
as needed

chiller

Holding Tank

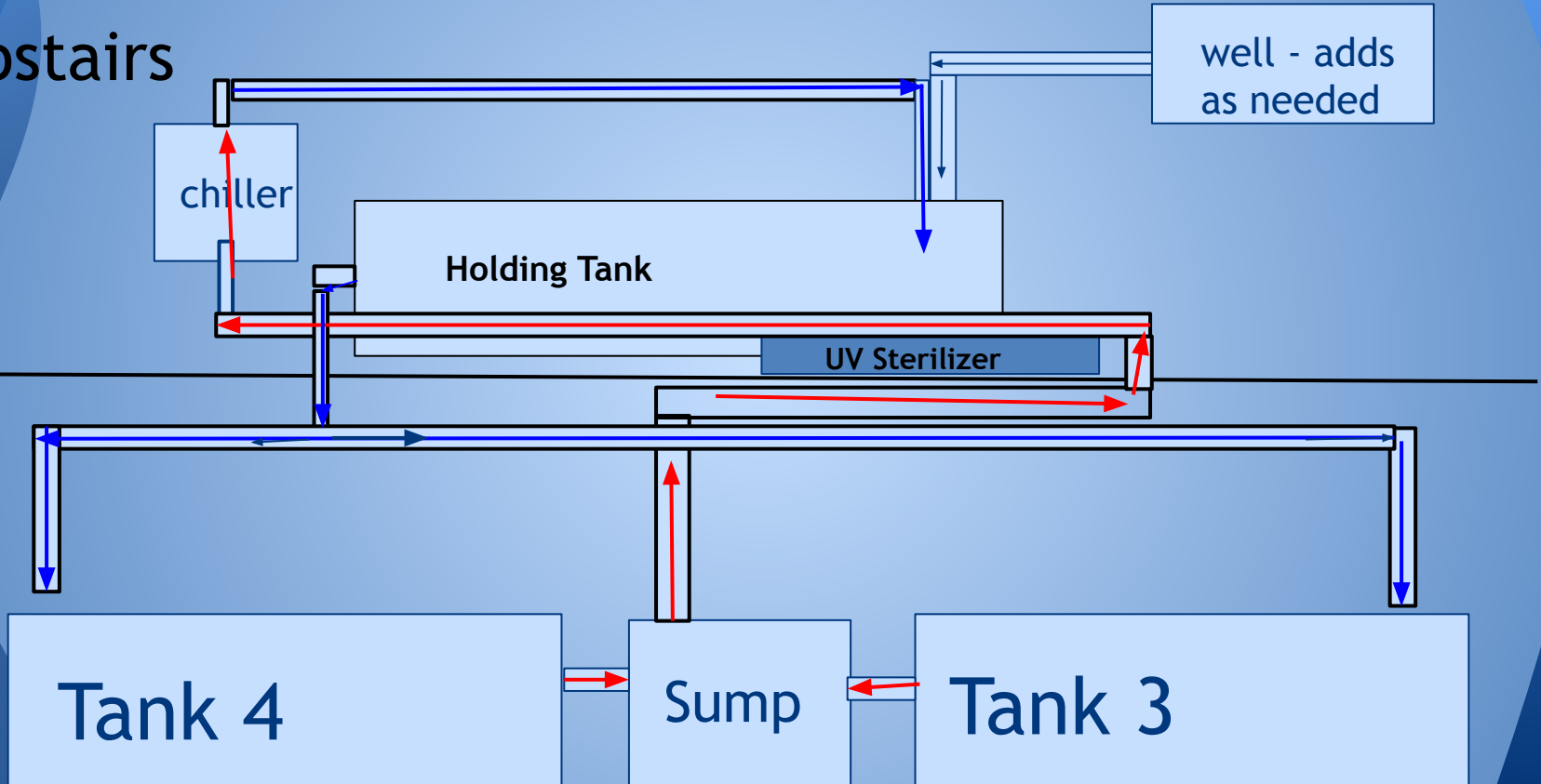
UV Sterilizer

Tank 4

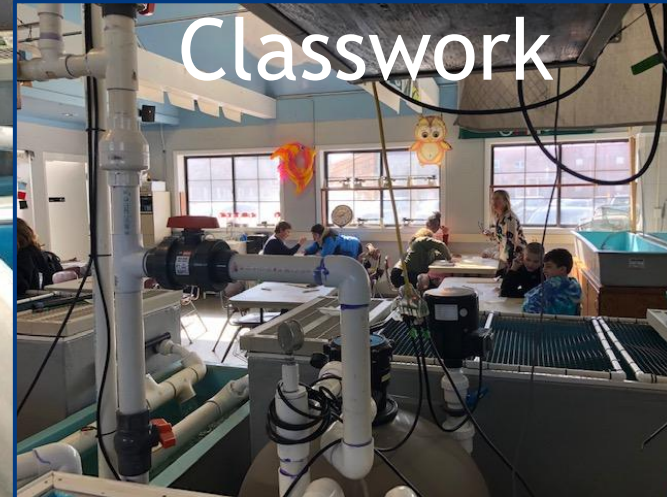
Sump

Tank 3

Downstairs



Classes in the Eco Center



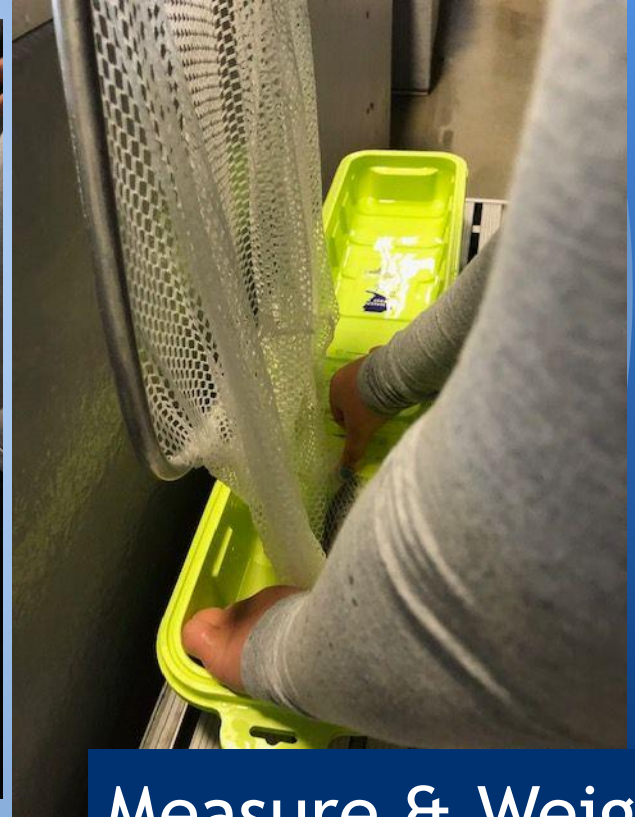
Monthly Weights and Measures



Scoop



Catch



Measure & Weigh

Weights and Measure Demonstration!

Would anyone like to try?

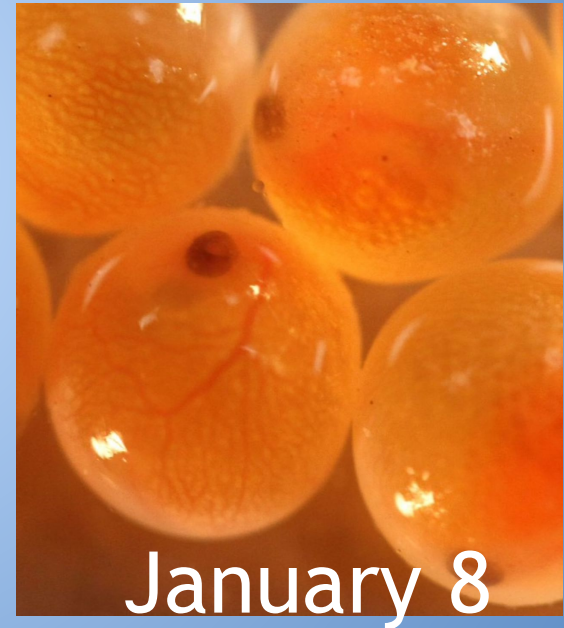
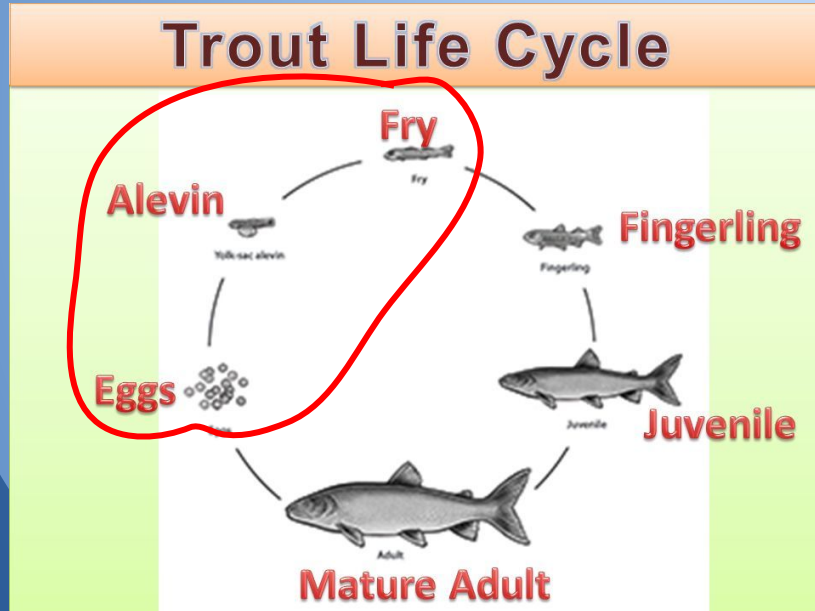
Nursery



The eggs live
in these
trays until
they hatch.

Eggs to Fry

Do you think that temperature affects the time it takes to hatch?



Alevin

How many days does it take from hatching for alevin to start to eat?



← yolk sac

FRY

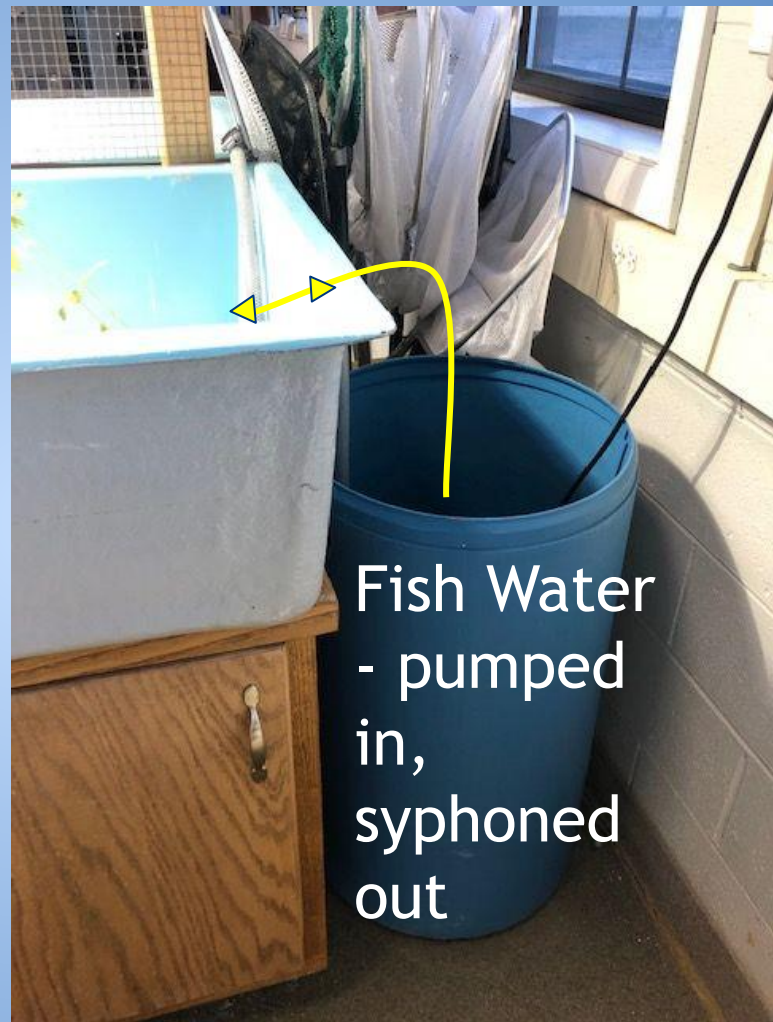


Fed by
conveyor
belt

Hydroponics

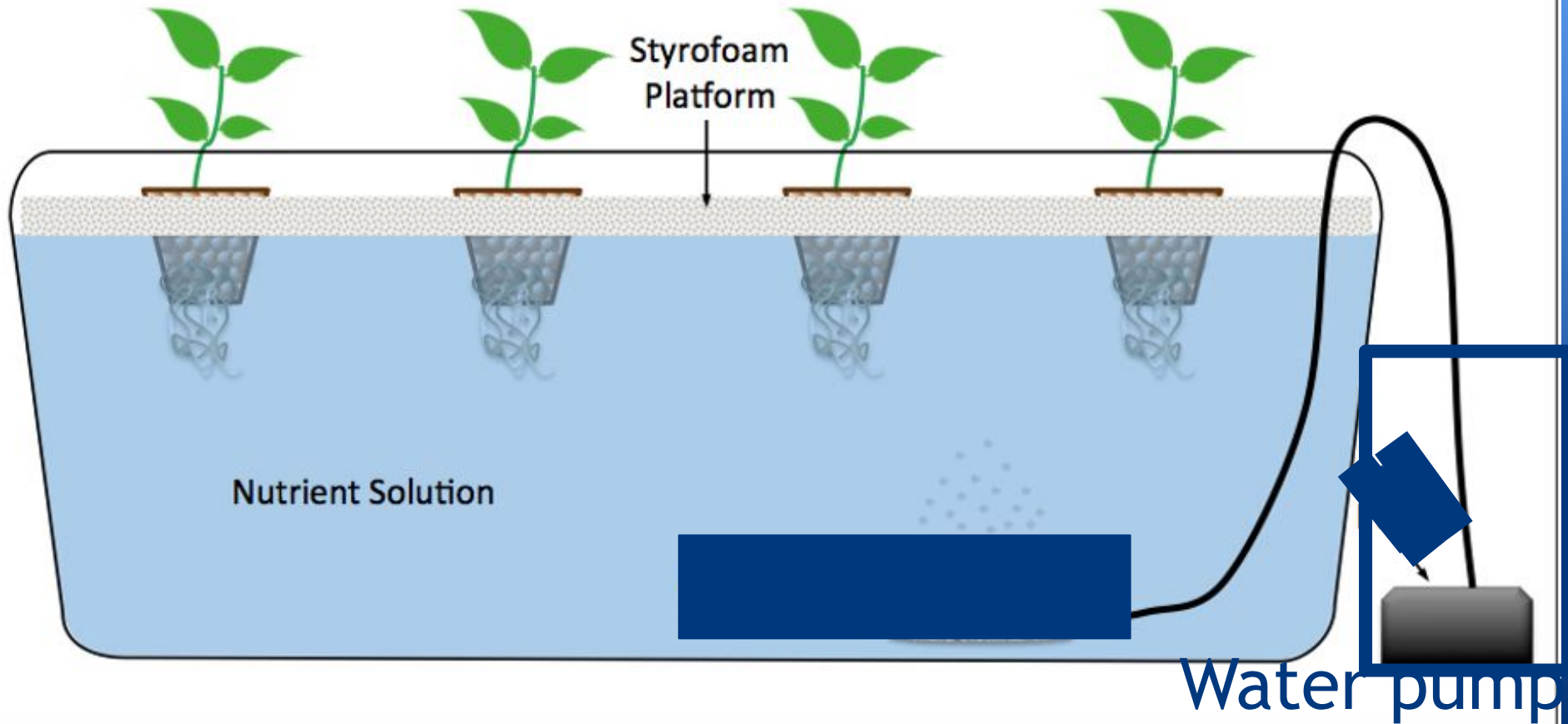
What is Hydroponics?

- Hydroponics is the art of gardening without soil. Hydroponics is a Latin word meaning “working water.”
- Without soil, water is responsible for supplying nutrients and water to plants. This year we are growing, snap peas, basil and zinnia.
- Uses 90% less water than traditional agriculture
- Hydroponic gardens grow beautiful fruits and flowers in half the time.



Fish Water
- pumped
in,
syphoned
out

How hydroponics works



What do Fish Kids do?

- cleaning
- feeding the fish
- career options - **DEEP** comes and talks to us
- learning about the fish
- water tests
- releasing

Talk about fish kids

Jobs in the ecology center: feed fish, clean tanks, vacuum tanks, manage water pressure and air, incubate eggs(if you have eggs)

Necessary things that need to be done: manage the air temperature, manage water pressure, manage air levels, manage the water temperature, and make sure they have a clean environment.

In fish kids you have a lot of responsibilities and jobs to do but it's fun and gives you a chance to learn more responsibility with aquatic creatures.



Measuring food for the weekend



Scrubbing the tanks is essential for keeping our system clean - over time algae builds up. We scrub a different tank each week.



Fish Club helps with Fish Evacuation



Fish Club helps with Fish Evacuation



**Please come up and see our
plants and fry, measure some
food, weight and measure a fish
and ask us questions.**