



THE GLOBE PROGRAM

Global Learning and Observations to Benefit the Environment

Frog Life Cycle Photo Journal

Globe Providence

The Students of Room 211

3rd Grade


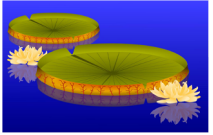
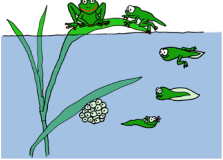

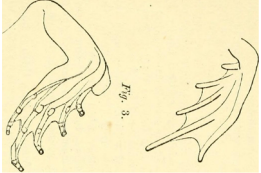
Anthony Carnevale Elementary

This project used GLOBE hydrology protocols


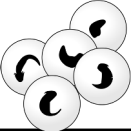
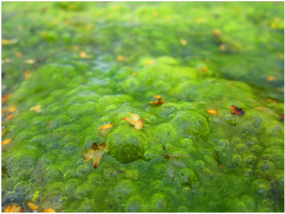
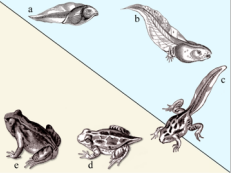

**Photo Journal
of Frog
Development**

2019/2020

Vocabulary

Pond	A pool of water smaller than a lake where frogs live.	
Lily pad	A large floating leaf in a pond.	
Tadpole	A small animal with a long tail after the frog hatches from the egg.	
Tongue	A long Moveable pink organ in the mouth.	
Webbed	The toes of the feet are connected by a web. A frog has webbed feet.	

Vocabulary

Habitat	The place where an animal lives and grows. A frog's habitat is the pond	
Spawn	The jelly-like eggs that a frog lays	
Algae	Plants that grow under the water, a tadpoles food.	
metamorphosis	When an animal changes from one form to another. The tadpole changes to a frog.	
Hatch	When an animal comes out of an egg.	

Day 1 Tank Set Up

Observations:

Spawn

Leaves

Eggs

Plants

Cloudy Water

Moss



Day 5 first Tadpoles

Observations:

- 1) A Tadpole
 - Gills
 - Tail
- 2) Rocks
- 3) Moss
- 4) Plants



Day 6 MORE TADPOLES

Observations:

Much More Tadpoles
Some are starting to swim.



Day 7 Swimming Tadpoles

Observations:

The tadpoles are swimming much more today, when the tank is moved.

Some spawn did not hatch and are now “fluffy” on the bottom of the tank.

Some tadpoles are still hatching.

The tadpoles are moving in and out of the grass and are resting on the top of the water.

We see 13-15 tadpoles.



Day 11 more swimming

Observations:

They are moving
ALOT more today.

They are clearly
bigger today.

They are
swimming faster.



The Variables Change

At this point in our observations the schools in RI closed due to the outbreak of the COVID-19 virus. We lost many frogs in the transition from school to home and now only have 3 healthy survivors. The good news is that the frogs got a larger tank which allowed us to see the changes clearer and make better observations.

Week of March 17th (About day 20)

This was the day the frogs were rescued from the school. They have gotten bigger but still look like fish.



Week of March 23 (A little over 2 months)

The frogs haven't changed much but are getting bigger. The mouth has also begun to change from being a circle to opening and closing like a letter c.



Week of April 13th (3 months) A big surprise

The first big sign of metamorphosis one of the frogs has developed back legs. They are hard to see but they look like hands and they don't move.



April 22nd the legs are getting bigger!!!

They look more like legs now and they are getting longer. We can see the flippers and they are beginning to move.



April 25th

The frogs now have knees and the legs are bending. They are using the back legs to swim but not the tail. You can now see the webbing on their feet.



Monday May 4th HUGE CHANGES!!!

The front legs developed over the weekend. They didn't have front legs on Friday but on Monday they did. It looks a lot like a frog now and the mouth looks like a frog mouth. The eyes have moved from the side of the head to the top.



May 6th

The tail is getting thinner and thinner, the mouth is completely frog like, and it the frogs are beginning to sit in the leaves of the plant. They are also swimming only using their legs not their tail.



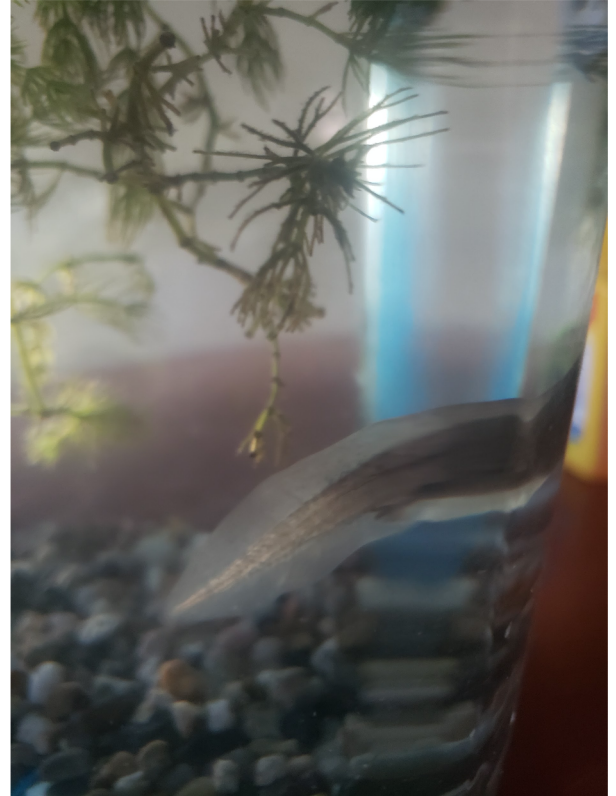
May 6th

One frog has not developed as quickly as the others and we have some questions.

The tadpole is bigger than the others is this why it is taking it longer to develop?

Do frogs develop at different speeds like people do (example: some people get taller quicker than others?)

Did the change from school to home change it's development like how when we move we sometimes have a hard time changing?



May 8th

The frogs have begun to stick their mouths out of the water and sit on top of the leaves. They are breathing air now and we are making the conclusion that soon (soon is Sat or Sun) we will see them on the log out of the water.



May 15th Free the Frogs Friday

We set the frogs free to a pond where they would have more space and an opportunity to hunt for bugs!!

