

~~~~~CLASS SET~~~~~

Of Flies and Frogs

Goal: To explore the effect of some limiting factors on frogs and their habitat.

BACKGROUND INFORMATION:

Frogs are carnivores that live in an aquatic environment. They use their sticky tongues to capture their prey, flies and other insects. To survive, frogs must avoid predators, capture their prey, and reside within a healthy environment. Like all animals, the survival of the frog species depends on the frog's ability to meet its needs, avoid its predator, and reproduce offspring.

Your Task:

In this activity, you are taking on the role of a frog! You will need to hop on over to the pond where your prey is found, capture it, return to the safety of your lily pad, and repeat this process to the best of your ability. Of course, there is a time limit! ☺ In order to survive, you must capture a minimum of TEN flies. If you are to survive long enough to reproduce, you will need FIFTEEN flies.

Procedure:

1. Touch your right hand to your right shoulder and put your elbow out in front of you. This is your tongue.
2. Make your tongue sticky by wrapping a piece of tape (provided by your teacher) around your elbow.
3. Make sure your tape is secure...you now have a sticky frog tongue!
4. When told to "GO!", hop to the pond assigned to you and capture a fly by getting it to stick to your tongue (You may NOT use your other hand to PICK UP the flies!).
5. Hop back to your seat and place the fly on your lily pad (You MAY use your other hand to REMOVE the flies from your tongue) .
6. Continue hopping to the pond, capturing your prey, and returning to your habitat until time is called.

~~~~~Answer the "END OF ROUND 1 Questions"~~~~~

7. Turn your flies over....Analyze your prey using the key provided by your teacher
8. Participate in the class discussion

~~~~~Answer the "PROBLEMS ON THE POND Questions"~~~~~

9. Repeat the activity....DO NOT return the consumed flies to the pond. Dead frogs can rejoin the activity as the offspring of the surviving frogs that were able to reproduce. Be sure to head to the correct pond!

~~~~~Answer the "END OF ROUND 2 Questions"~~~~~

10. Participate in the class discussion.
11. Return all flies – limiting factor code facing DOWN – to the pond.

~~~~~Answer the "CONCLUSION Questions"~~~~~