



Life Cycle of a Frog

Teacher's Notes

Supplies (for a class of 30 students):

1. *From Tadpole to Frog* Book (by David Stewart; I SBN 0-531-15335-5)
2. Frog development demonstration set (plastic animals)
3. Acrylic tadpole and frog specimen
4. 2 sets Frog specimen description cards
5. 10 Microslide viewers
6. 10 *Tadpole to Frog* microslide strips
7. 15 Laminated Microslide description sheets
8. 3 Sets of Frog stamps
9. 5 Ink pads
10. 10 pairs of scissors
11. 2 staplers
12. 5 Sets of jumbo colored pencils and/or 15 sets of regular colored pencils
13. 30 pencils (Juniors)
14. 30 *Frog Embryo Development Study Guides* (Juniors)
15. 30 Microslide forms (Juniors)
16. 30 Frog book forms (Daisies or Brownies)
17. *Life Cycle of a Frog* teachers notebook (red)
18. 1 set of Frog Life Cycle sequence cards



Introduction:

For the older girls, give each girl a *Frog Embryo Development Study Guide* and a pencil. Allow the girls to read the description cards and work in small groups to study all of the wells. The life cycle cards can be used in conjunction with the BioQuest Frog Development Study Kit.

Part 3: Viewing Microslides

Each girl should take some time to look at all of the stages of development. A laminated microslide description sheet is available for each viewer. It explains in detail what is in each image. This sheet will be especially useful for the Juniors. Take some time to talk about each stage and discuss what they are seeing. For the older girls pass out the microslide worksheet. The girls should draw (using colored pencils) what they see in each view on the microslide. This is very similar to the lab notebooks biologists keep when studying microscopic specimens.

Part 4: Documenting

In the final exercise each girl should make a frog development book. Pass out the 2 pages of the book worksheets and scatter the stamps around the room. Each girl should put the appropriate stamp on each page. She can then color in the pictures using the colored pencils. When finished, cut around the boxes and staple to make a book. If time remains, read the book as a group.

