

# Frog Dissection

## Summary

Dissecting a frog, we will learn about the digestive, respiratory, circulatory, and nerve systems. Their functions and the organs needed for these functions. Create a Flow chart listing human digestive systems with that of a frog. If you don't want to perform the procedure of dissection, there are websites available that show everything.

## Time Frame

2 class periods of 45 minutes each

## Group Size

Pairs

## Life Skills

Thinking & Reasoning, Employability

## Materials

Safety goggles, Gloves, Lab apron, forceps, preserved frog, dissecting tray and paper towels, dissecting pins (6-10 each group) plastic storage bag and twist tie, marking pen, dissecting needle. Computer with Word.

## Background for Teachers

The knowledge on the digestive, respiratory, circulatory, and nerve systems. Research a little on how to dissect a frog. How to make diagrams in Word. Be able to make comparisons between the systems of the frog and humans.

## Student Prior Knowledge

Students need to realize that there are many organs in the body that perform many functions. It is important to take care of them.

## Intended Learning Outcomes

From this lesson, students should be able to distinguish the different organs needed for the body to function.

## Instructional Procedures

After discussing the different systems and their functions (attachment). The next day, prepare the class with frogs and the proper materials for dissection. During the dissection, draw what you see (the best you can). Follow the procedure for dissection (attachment). Take the picture home and label it. If you don't want to actually dissect a frog there are websites that provide the appropriate pictures and explanations along the way. For homework or if there's time during class, have the class make a Flow chart showing the similarities and differences between the frog and human digestive systems, in Microsoft Word. Once Word is open, click on Insert, diagram, the box chart with others hanging, this is what you want. Make it as large as you think it should be.

## Strategies for Diverse Learners

Students are able to work together during the dissection and will learn with hands on experience, the

different systems.

### Bibliography

[www.aa.psu.edu/div/mns/biology/Frog/setup.htm](http://www.aa.psu.edu/div/mns/biology/Frog/setup.htm);

<http://step.sdsc.edu/rojects95/Frog.Dissection/index.html>

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