

## JSD AMPHIBIAN CURRICULUM

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### *Science Activity:* **Virtual Frog Dissection**

#### Introduction:

Because the relative size and location of a frog's internal organs are similar to that of humans, frog dissection is an excellent way to learn about our own bodies. Students should already have made Frog Sandwiches, and will be familiar with frog organs, anatomy, systems and functions.

#### Objectives:

1. Students will continue investigating frog organs, anatomy and systems.
2. Students will understand that dissection is a method of scientific investigation.

#### Materials:

1. There are a number of excellent virtual dissection web sites. Please preview these before using them with your class.

- Net Frog <http://curry.edschool.virginia.edu/go/frog/>
- Froguts.com [www.froguts.com](http://www.froguts.com)

2. Computer projector

#### Procedure:

1. After previewing one of the above, or other, websites, work through a virtual dissection with your class as a whole.
2. If you have a computer lab able to accommodate one or two students per machine, instruct students to work through dissections themselves. This will serve as a good introduction for actual hands-on dissection, should you decide to continue.

#### Assessment:

1. Students are engaged in virtual frog dissection.
2. Students are to identify organs, anatomy, systems and functions.
3. Students share observations during virtual dissection.
4. Students record observations, questions, thoughts by doing a quick write.

## National Science Education Standards:

Content Standard C:

- Develop understanding of structure and function in living systems

## Alaska Content Standards:

Science C(2)

## Juneau School District Core Content:

Science

Life & Human Biology (6th-8th):

Systems: How can we understand a complex world through its systems?

- Describe the parts and functions of the major human body systems.

Structure & Function: How are structure and function interdependent?

- Explain the structure of cells, tissues, organs, and body systems.

## References:

Froguts. Bio eLearning Company. 2001-2003. 16 March 2004 <[www.froguts.com](http://www.froguts.com)>.

Net Frog. Kinzie, Mabel. 2002. Curry School of Education. University of Virginia. 16 March 2004 <<http://curry.edschool.virginia.edu/go/frog/>>.