

## Frog Dissection

Grade Level: 9

Overview	The purpose of this lesson is for students to learn how to correctly dissect a frog.
Objectives	1. When given a test, students will be able to dissect a frog and identify the internal organs with 85% accuracy.
Standards	<ul style="list-style-type: none"> <li>• AS.3.1 Identify the major organ systems found in vertebrate animals.</li> <li>• AS.3.5 Identify and describe the two layers of skin: epidermis and dermis.</li> </ul>
Materials	<ul style="list-style-type: none"> <li>• A frog for dissection</li> <li>• Dissection tools</li> <li>• Biology Textbook</li> </ul>
Procedure	<ol style="list-style-type: none"> <li>1. The lesson will start with the teacher reviewing the previous lesson on the internal structures of a frog, pictured in the textbook.</li> <li>2. The teacher will then access the Internet, using the classroom computer, and project the computer screen onto the wall (so everyone can see).             <ol style="list-style-type: none"> <li>a. The teacher will utilize Ustream.tv to upload a broadcast on dissecting a frog. Students will see how to properly dissect the frog before attempting to do so themselves. Students are to take notes on the steps to dissect their frog (sketches are acceptable). <b>THESE NOTES WILL BE EVALUATED.</b></li> <li>b. Students will also identify the internal organs within the frog.</li> </ol> </li> <li>3. Students will then break into groups of two to dissect the frogs together.             <ol style="list-style-type: none"> <li>a. Students will follow the directions they took notes on in the broadcast.</li> <li>b. Students will then identify the internal organs within the body of the frog and label each organ with a tagged pin.</li> </ol> </li> </ol>
Evaluation	Students will hand in their notes for the teacher to evaluate their steps. Notes will be graded on each step included; 1 point will be deducted for a missed step. Students will also be evaluated on identifying the internal organs of the frog.