

In-Person Frog Dissection

Lesson Plan A-In person learning taking place in a brick and mortar classroom. Students have the choice whether to dissect a frog using a real preserved specimen or through the use of a virtual frog dissection at the end of the lab. All students will be given an end of unit quiz reviewing all the information they should have learned throughout the lab.

- **Lesson Overview:** To allow students the opportunity to choose their learning method, either Independent or guided learning, and with or without digital tools to enhance learning. Students will complete a frog dissection, lab guide (pre-lab and post-lab write-ups) and end of unit quiz. Advanced students (Honors courses or Advanced Placement) will complete a PowerPoint, Prezi, iMovie, or other presentation of their learning to present to their peers analyzing the learning method they chose and which tools they believed increased their learning and achievement.

- **Materials:**

- Survey-paper copy OR Google Survey
- Pencil or other writing utensil
- Lab guide-paper copy OR virtual copy from Canvas LMS
- Computer, tablet, iPad, or laptop
- High speed internet connectivity
- Subscription and login information for virtual frog dissection
(<https://www.biologycorner.com/2021/03/31/frog-dissection-virtual-for-remote-learners/>)
- One preserved frog specimen (if choosing in-person lab)
- Frog dissection tools (scalpel, pins, scissors)

- **Procedure:**

- Students will complete a survey inquiring as to how they believe they learn best, and determine their willingness to utilize digital tools and resources, including AI in their daily studies. Survey provided on paper OR using Google Forms.
- The teacher will compile survey results to determine student preferences for learning and use this information for lesson planning in the future
- Students will choose to work independently or in pairs to complete the frog dissection
- Students will choose whether they will participate in the lab using the preserved frog specimen or by using the virtual frog dissection
- Students will follow the dissection steps as outlined in the lab guide. Teacher will complete steps of the lab at a pace matching students.
- Students will complete lab guide as they work through frog dissection
- Advanced students will complete a PowerPoint, Prezi, iMovie, or other presentation of their learning to present to their peers analyzing the learning method they chose and which tools they believed increased their learning and achievement.

- **Deliverables:**

- Completed survey
- Completed lab/lab guide
- Completed quiz
- Advanced Students: Completed Presentation