



Academic Technology Services Online Laboratory Resource Guide

CSULB Academic Technology Services (ATS) remains committed to ensuring that courses with a laboratory component also have possible alternative solutions available to continue teaching online. Use these resources to assist with developing ideas on how to continue laboratory instruction for students online.

GENERAL SUGGESTIONS

Data Interpretation Labs

Use published literature for students to analyze.
Provide students with sample data interpret.

Observation/Hands-on Experiments

Create a video of the experiment to be completed.
Use existing online resources to expose students to laboratory concepts and techniques.

ONLINE RESOURCES

Biology

[PhET Online Biology Simulations](#)
[LabXchange Online Biology Resources](#)
[Virtual Labs Media Library](#)

Chemistry

[PhET Online Biology Simulations](#)
[American Chemical Society Online Simulations](#)

Geological Sciences

[Online Ecosystem Science](#)
[PhET Online Earth Science Simulations](#)
[Virtual Rivers](#)
[Virtual Earthquakes](#)
[Virtual Soil Science](#)

Math

[PhET Online Math Simulations](#)

Physics

[PhET Online Physics Simulations](#)

Resources Covering Multiple Fields

[The Journal of Visualized Experiments](#)
(Biology, Chemistry, and Environmental)

[Journal of Visualized Experiments Student Experiments](#)
(Biology, Chemistry, Environmental, and Physics)

MERLOT

(Biology, Chemistry, Geoscience, Physics)

For More Information:

Click the banner at the top of this page to visit the ATS website for information and resources.
Click the image below to visit the "Keep Teaching" website for information on class suspension.



Keep Teaching.

Online resources during an extended period of alternative instruction.