

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

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.