



# Virtual Labs

The lab is always open.

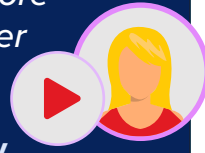
Keep all students engaged with our flexible, interactive lab solution designed to improve comprehension and confidence anytime, anywhere.



## Pre-Lab Learning | Reach Students On and Off Campus

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*With Virtual Labs, I can create more efficient and effective in-person lab experiences and it frees me up to spend more time with students on other content.”*



**Heidi Smith, Microbiology**  
Front Range Community College

### Build Basic Skills

Develop contextual and procedural knowledge off campus to be applied during in-person labs.

### Create Lab Prep Assignments

Introduce lab equipment and techniques to achieve better outcomes in the lab.



### Promote Accountability

Enable independent learning without partner pressure or time constraints.

### Increase Comprehension

Students receive continuous feedback to ensure understanding of each phase in the lab simulation.

## Lecture Integration | Make Connections Between Lecture and Lab

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*The flexibility of assignments in Virtual Labs enables instructors to improve connections between lecture and lab concepts for novice learners.”*



**Richard Pirkle, Anatomy & Physiology**  
Tennessee Tech University



Design an interactive experience that allows students to learn through doing and visualizing.



Students appreciate applied learning and low-stress assignments, resulting in increased classroom participation and engagement.



Authentic assignments reinforce the application of concepts learned in lecture to a simulated lab experience.

## Online Learning | Provide a Complete Lab Experience for Online Courses

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*Virtual Labs allow me to provide online students a straightforward, realistic lab experience with the same outcomes as an in-person lab course.”*



**Melissa Gutierrez, Biology**  
University of Southern Mississippi



Pre-lab assignments prepare and then post-lab assignments evaluate lab comprehension.



Develop contextual and procedural knowledge through simulated lab experiments and procedures.



Automated feedback during lab simulations guarantees accurate lab skills and procedures without the instructor being physically present.



Eliminate concerns over student safety by removing the need for chemicals and lab materials at home.



Combine Virtual Labs with a digital platform to create discussion forums for student engagement or written lab reports to demonstrate student comprehension.

## McGraw Hill Virtual Labs makes a positive impact on student success.

With simple setup for instructors and easy navigation for students, our accessible simulations and assessment content create a genuine lab experience for all students.

*“I can complete the labs at my own pace and not feel rushed or left behind. If needed, I can also repeat a part of the lab to better understand it and further practice.”*

**Biology Student**  
St. Louis Community College

Enhance your curriculum in a variety of ways, including:

- Accessible Lab Solution (VPAT)
- Online Lab Courses
- Pre-Lab Preparation
- Post-Lab Review
- Online Lab Supplement
- Lecture Integration
- Makeup Labs

**See Complete List of 130+ Simulations:**  
<http://bit.ly/thelabisalwaysopen>