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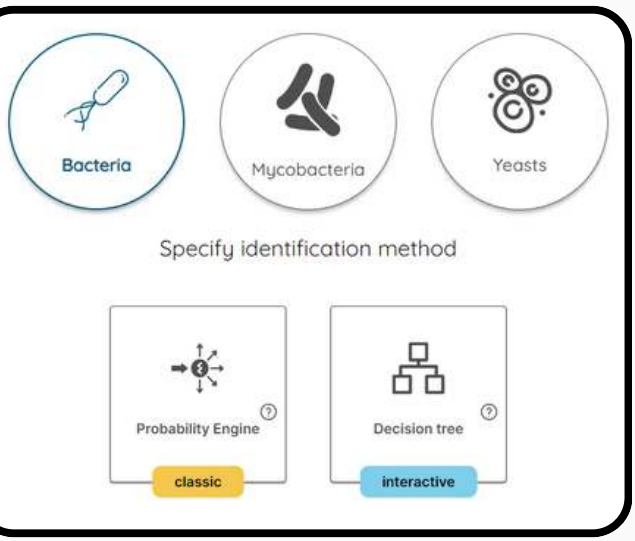
Innovative Microbiology Teaching at Luzerne County Community College

> Our microbiology faculty frequently uses GIDEON to make pathogen identification interactive and engaging for students.
>
> *Alyssa Coleman, Digital Services Librarian, Named 2023's 'New Librarian of the Year'*

About Luzerne County Community College (LCCC)

Luzerne County Community College (LCCC), a leading college in Pennsylvania, offers over 100 academic programs. A key focus is preparing students to apply the knowledge they gain to real-world situations. This helps them excel in higher learning programs and future careers.

LCCC is driving innovation in microbiology training



LCCC faculty consistently strive to make learning more interactive and relevant to real-world scenarios, especially in the complex field of medical microbiology.

To achieve their goals, they harness the expertise of award-winning librarians like Alyssa Coleman.

Alyssa and her fellow librarians skillfully use the vast resources of the LCCC library, including GIDEON's interactive microbiology and lab modules, to provide faculty and students with the information they need.

LCCC successfully leveraged GIDEON to enhance student learning in medical microbiology. This approach led to an incredible 5,700% increase in student engagement on the platform in less than 5 years.

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Medical microbiology educators face several challenges, including:

Too many microbes; too little time

Students must learn microbe structures, clinical manifestations, and the right lab tests for pathogen identification, all within a few months.

Real-world application

Students need to apply their knowledge in real-world scenarios. This is hard to address in traditional classrooms.

Balancing individual learning needs and styles

Ensuring each student learns effectively within the allotted time can be challenging due to varying learning preferences.

Use GIDEON to simulate real-world scenarios, create decision trees, compare pathogens, and explore clinical aspects in a few clicks.

The GIDEON Advantage

Over 3,000 pathogens

GIDEON database contains in-depth information on over 3,000 medically important bacteria, mycobacteria, viruses, parasites, yeasts, and algae.

FREE case-based lesson plans

GIDEON offers a range of free lesson plans to engage the classroom and provide real-world scenario-based simulations.

Interactive dichotomous trees and keys

Faculty and students can generate dynamic decision trees to help visualize the process of pathogen identification.

Expert tools for disease and pathogen identification

GIDEON provides expert Bayesian analysis-based differential diagnosis and pathogen identification tools used in hospitals and laboratories.

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