

2023 NSTA Conference in Kansas City

THURSDAY OCTOBER 26, 2023

EDVOTEK® Workshop Schedule

THURS. 8:00-9:00 AM Kansas City Convention Center – Room 2503 B
Left at the Scene of the Crime: High School Forensics

There's a break-in at the lab. Your students become forensic scientists as they walk into a crime scene. Analyze samples for blood and then catch the criminal with DNA fingerprinting. This exciting workshop will include ways to incorporate biotechnology and gel electrophoresis into your classroom.

THURS. 10:50-11:50 AM Kansas City Convention Center – Room 2503 B
Introducing Your Students to Gene Editing with CRISPR

The gene-editing tool CRISPR is one of the most exciting biotechnology breakthroughs of the past decade. In fact, this technique won the Nobel Prize in 2020! In this hands-on workshop, we'll explore CRISPR biology using fast, easy experiments that model the development of a cure for Cystic Fibrosis.

THURS. 1:00-2:00 PM Kansas City Convention Center – Room 2503 B
Sweet Science: Exploring Complex Mixtures with Biotechnology

Explore the science of candy colors! We will extract food dyes from candy and separate them using agarose gel electrophoresis and paper chromatography. By separating the different colors, students learn about complicated mixtures, charges on molecules, and how science relates to everyday life.

THURS. 2:20-3:20 PM Kansas City Convention Center – Room 2503 B
Exploring STEAM With Transformation

Creating colorful bacteria with transformation is a memorable way to teach the central dogma of molecular biology. Take it a step further and have your students create art with the colorful cells! In this workshop, we'll share tips for transformation success and create bio-art with microbial paint!

THURS. 3:40-4:40 PM Kansas City Convention Center – Room 2503 B
ELISA Essentials: Unlocking the Power of Immunoassays

Discover the awesome potential of the ELISA! This highly-sensitive assay allows for detection of low levels of antigens in biological samples, making it perfect to identify pathogens, allergens, and more. We'll also practice pipetting to improve accuracy and precision, ensuring experimental success.

Visit us at Booth #1736

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