



# STEM

SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS

## Forum & Expo

New Orleans, May 14–17



**NSTA** National  
Science  
Teachers  
Association

### EDVOTEK® WORKSHOP SCHEDULE

**Thursday, May 15, Room 211**  
**1:00 - 2:00PM**

#### Teaching STEM Using Agarose Gel Electrophoresis

In this hands-on workshop, participants will explore four hot topics in biotechnology (DNA Fingerprinting, Paternity Testing, Medical Diagnostics, and Genetically Modified Organisms) using Agarose Gel Electrophoresis. Brightly colored dyes are used to simulate DNA fragments, eliminating post-electrophoresis staining and saving you valuable classroom time! Results are analyzed using a semi-logarithmic plot, which employs critical thinking skills and STEM learning techniques. **Free flash-drive/ T-shirt drawing.**



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