



Where Research Teachers Go to Learn

PROFESSIONAL SKILLS BUILDING FOR TEACHERS OF 6-12TH GRADE RESEARCH INSTRUCTION

JUNE 17-19, 2025

University of Saint Mary
Leavenworth, KS

Preconference:

Tuesday, June 17 • 9 AM – 4 PM

Main Conference:

Wednesday, June 18 • 8:30 AM – 4:45 PM
Thursday, June 19 • 9 AM – 4:45 PM

Skills Development

(Hands-on Skills)

- Plant and Mammalian Cell Culture
- Basic Circuitry and Breadboarding
- Use of 3D Modeling in Engineering
- Creating a great research paper and poster
- Soil Analysis and Ag Research Skills
- And more...

Current Research Teacher

Topics (by Field Experts)

- Basic Bioinformatics
- Use of AI in research
- National Science Foundation
- Medical Laboratory Science
- Psychology Research
- And more...

Don't miss this opportunity to **build teaching skills and confidence** through **hands-on science and engineering sessions** and **student next-level project development**, while networking with fellow research teachers.

Optional Pre-conference Event: *Introduction to cross species interaction via Medicago sativa (host) and Sinorhizobium meliloti (symbiont)*

This is an interactive lecture series focusing on techniques involved in studying plant-bacterial interactions. Participants will first have the opportunity to take part in multiple guided experiments focused on developing sterile techniques for culturing of the soil bacterium, *Sinorhizobium meliloti*. Followed by root nodule dissection and discussion of how bacteria improves plant growth with a variety of bacterial variants. Throughout will be lessons on proper sterile procedures, experimental design considerations, importance of biological nitrogen fixation in agriculture and how to implement newfound knowledge to students.

Be an Exhibitor!



SCIENCE COACH ACADEMY 2025

COST TO ATTEND

Pre-conference: \$250

Main Conference: \$500

Virtual: \$350 (Main conference only)

Meals and housing included in the conference price.

HOUSING

University of Saint Mary – Residence Hall

A private bedroom in a 4-bedroom/2-bathroom suite with common living area is included in the conference price.

A private suite can be reserved for an additional \$75 per night.

WEDNESDAY EVENING NETWORKING

A special dinner and entertainment is included with the conference.

Register Today! Space is Limited

Registration Deadline 5-20-25



www.zeffy.com/ticketing/science-coach-academy

Learn more on our website:



ScienceCoach.org/academy

Since 2007, the Science Coach (ScienceCoach.org) non-profit has been engaging 6th-12th grade students to experience completing a scientifically accurate research project that solves a problem important to them. We work through schools to intentionally upgrade research teachers' skills providing extensive professional development and a comprehensive support ecosystem that results in 89% of the students choosing STEM careers.