



# Science Coach®

## BECOME A Science Coach

Join a community of **paid** research teachers and rediscover the fun of teaching with a year-long, job-embedded professional development program.

Science Coach exists to make sure 6th - 12th grade teachers are trained, supported, resourced, and energized to inspire our future innovative work force through advanced original research.



### QUALIFICATIONS:

3+ years of research or project based learning.



6th-12th grade public, private, or homeschool teacher in the U.S.



A desire to join a community of dedicated research teachers.

## ADVANCED ORIGINAL RESEARCH

We take the traditional sports team approach and apply it to the STEM arena with an experienced Head Coach sharing and supporting their Teacher Coach team members. This proven professional development ecosystem excites and empowers 6th - 12th grade STEM teachers to coach students to complete original research projects for entry into competitions, with some continuing into our Innovation to Entrepreneurship Pathway.

## ENROLLMENT PROCESS



TEACHER  
APPLIES

1

2

SCIENCE COACH  
ACCEPTS TEACHER  
APPLICATION

3

FUNDING  
SOURCED

4

TEACHER SIGNS  
SCIENCE COACH  
AGREEMENT

5

TEACHER  
ATTENDS  
SUMMER  
TRAINING

6

TEACHER  
IS WELCOMED AS  
A SCIENCE COACH

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# Science Coach ECOSYSTEM



**We've got your back.** Guided by a Head Coach and an intentional team of teachers, you will be trained through a year-long, job-embedded PD mentorship program. Teachers become a cohort team, tapping into a national network of accomplished colleagues and mentors. Drawing from their Head Coach's expertise, yearly summer conference, and monthly PD sessions, teachers grow in skills and confidence to take students to the next level.



**You get paid for after school time.** Professional compensation for teachers. Teachers are treated as professionals, recognized and paid for personal time spent coaching STEM students. Teachers receive up to a \$3,000 annual stipend. Three graduate-level credits are available upon program completion.



**The pathway is carved.** Free access via Canvas to research methodology instructional resources. Science Coach Teacher Curriculum is a full year of detailed lessons supporting advanced original research instruction. The companion, Science Coach Student Curriculum, provides self-paced, online instruction, helping students to work independently. Access to this rigorous research methodology saves teachers prep time while engaging students in hands-on project-based learning.



**You're free to innovate.** Flexible program implementation and access. Implement Science Coach in existing classes, as a dedicated research class, or as an extracurricular activity. It works in public, private, and homeschools across rural, urban and suburban areas. Learning becomes more equitable when teachers and students get expanded support when and where they need it.



**Competitions? No problem.** Proven step-by-step process to create competition-ready projects. Clear objectives and timelines guide the research program to successful completion. Teachers coach students—from choosing their own topic to completing advanced original research—achieving and celebrating milestones along the way.



**Elevate your students' learning environment.** Unprecedented lab access, equipment & insurance. Extend the standard science classroom by either borrowing equipment, working in our BSL-1 and BSL-2 labs, or using the Science Coach insurance to gain access to a local university/professional lab.



**Your students' inventions will be protected.** Intellectual Property (IP) protection. Projects with IP potential join our Innovation to Entrepreneurship Pathway which helps students build a business or license their innovation.

## TEACHER FUNDING

- Up to \$3,000 annual stipend
- \$2,750 in professional development and training
- \$800 in classroom research supplies and materials  
(Purchasing/shipping handled by Science Coach)
- \$450 for student recruitment and retention efforts

*NOTE: There is no cost to the teacher. Funding is provided either through the school/district via STEM initiative funds such as Perkins, Title I, Title V, or ESSA, grants, or private donations. Science Coach collaborates with teachers to identify and secure funding opportunities.*

**55+** National/  
International Awards.

**950+** Local and  
Regional Awards.

Science Coach  
**WORKS**

Nearly **\$5 million** in college  
scholarships and cash prizes.

**89%** of students continue  
into STEM careers.



## FEATURES

**Year-long,  
Job-Embedded  
Professional Development**

**Science Coach  
Teacher Curriculum**  
Includes 14 research  
methodology modules,  
from Introduction to Research  
to Presenting Results.

**Science Coach  
Student Curriculum**  
Online Innovation Access

**Insurance Coverage  
For Local Lab Usage**

**Two BSL-1 and BSL-2 Labs  
In the St. Louis Area**

**Science Equipment Loan  
Program and Giveaways**

**Intellectual Property (IP)  
Review Process**

## BENEFITS

- Science Coach provides professional development based on teacher requests.
- Teachers gain direct access to an experienced Head Coach mentor.
- Teachers become a cohort team tapping into a national network of accomplished colleagues and mentors who help them prepare for, and enter, competitions.
- Drawing from their Head Coach's expertise, yearly summer conference, and monthly PD sessions, teachers grow in skills and confidence to take students to the next level.

- Step-by-step downloadable/modifiable lesson plans, rubrics, and classroom activities.
- Uses the 5 E model: engage, explore, explain, elaborate, and evaluate.
- Clear objectives and timelines guide student innovators to successful completion.
- Text is fully downloadable and modifiable allowing teachers to easily customize lessons for individualized needs.
- Saves teachers prep time, increases student research skills and teaches industry-level research practices.
- Teachers are required to be compensated either through extra duty/extra pay or up to a \$3000 annual stipend.

- Science Coach pays for the monthly student access to this program, which includes teacher access/oversight.
- Teaching remote students how to do advanced original independent research with career-specific information for direct inclusion in the student research process.
- Great for the student who wants to start their research project over the summer.

- Our certificate of insurance covering students and teachers allows them to gain access to professional labs.
- Students and teachers have additional insurance coverage for transportation, lab equipment, breakage, and professional liability.

- Accessible by teacher and student 24x7x365, Science Coach participants have a dedicated lab table with \$50m of shared equipment access at the BioSTL lab.
- Additional lab access at 39° North Helix Lab, Danforth Plant Science Center, and St. Louis Community College

- FREE equipment loaner program; everything from scales to incubators to centrifuges.
- Science Coach sources equipment and supplies to freely give to teachers.

- Research projects with IP potential join our Innovation to Entrepreneurship Pathway where experienced scientific guardian ad litem lead, educate, and protect the student's best interests.