

# Science Coach PROFESSIONAL DEVELOPMENT

A premier support and professional development ecosystem for 6th-12th grade research teachers.



**Science Coach** 

**EDUCATE · INNOVATE · ACHIEVE** 



6th-12th grade students choose questions of person interest, create procedures to test





Students compete in Science Fairs and other competitions winning at National and International levels.

Educate. Innovate. Achieve.











Grace Johnson (1) and Ryne Emerick (1)
(1) Lebanon High School, Missouri

Irreadive species cost the agriculture industry billions of dollars each year in lost revenue and control costs. This research addresses the potential neutralizing effects of arbuscular mycorrhizal fungl (AMF) on the invasive species and aggressive agricultural vework, Orisium arvense, by limiting its nitrogen uptake from the soil. A total of 3 G. A arvense plants and 24 Glycine max soybean plants were grown in a controlled laboratory environment, with 0. max being used to create a simulated copy field. We hypothesized that introducing AMF to C. arvense would reduce its ability to absorb nitrogen, therefore reducing the plants growth. If AMF agrificantly veduces C. arvensets reducing the plants growth. If AMF agrificantly veduces C. arvensets.







#### Has comprehensive



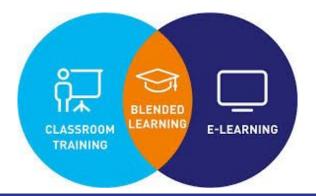
So you can COACH 6th-12th grade students to learn critical thinking skills while addressing real life problems

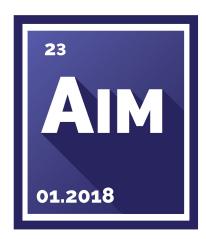




### Science Coach provides the year-long methodology curriculum for your research teacher and student.

- Advanced Innovation Methodology (AIM) Detailed instruction helping 6th-12th grade teachers and students complete advanced authentic research.
  - AIM Teacher ( Complete Teacher Lesson plans to teach research methodology to 6th-12th graders.)
  - AIM Student (Self-Directed) allows students to work independently on their research projects with step-by-step research methodology instruction.

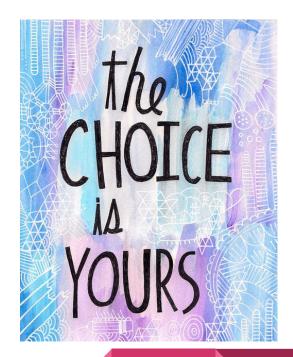






#### Science Coach has flexible implementation options

- Science Coach has worked successfully in many kinds of school:
  - Public, private, charter and homeschools
- Many different communities
  - Rural, urban, and suburban areas.
- Many different socio-economic environments
  - Well-resourced schools
  - Low-resourced schools
  - No-external resource schools (Home schools)
- Many implementation settings
  - Within an Existing Class
  - Independent Research Class
  - After School /Club





#### Science Coach provides BSL1 & 2 lab access and insurance.

**Lab Access for Students & Teachers** 

If close to St. Louis, use our lab space at the BioSTL Labs

Other locations often have cooperative agreements with businesses/local labs/colleges/universities.

**Insurance coverage** for ANY lab usage + Professional Liability

insurance



### Science Coach provides free consumables, loaned equipment and purchases supplies in a timely manner.

**Supplies** for doing research are always a challenge. Science Coach will make research teacher's jobs easier by:

- Providing FREE Loaned of equipment
- Choosing from an inventory list of FREE donated equipment & consumable supplies
- Ordering the supplies you request with the \$800 of teacher-directed supply budget







#### Science Coach Teachers get PAID for their after-school work!

Teachers Are Paid a \$2,000 - \$3,000 Stipend for After-School Work

#### Milestone-based stipend payments:

Coach Onboarding	\$100
Project Onboarding	\$300
Research Plans Uploaded	\$300
Competition Registration	\$300
<b>Competition Participation and Awards Added</b>	\$300
Top Award Recipient	\$100

Coach Cohort Virtual PD Monthly Meetings attended - 10/year (August-May) \$400

**Student Quarterly Feedback Surveys** - 4/year \$100 **Teacher Coach Quarterly Feedback Surveys** - 4/year \$100



Just like sports coaches are paid for their afterschool time, we believe Science Coach teachers should ALSO be paid.

Science Coach meets research teachers where they are and helps raise their skill level so they can effectively coach students to complete advanced authentic research.

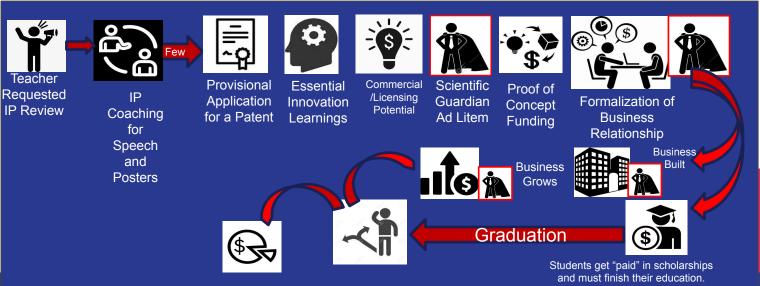
- Year-long Professional Development
  - Summer virtual training
  - Speciality hands-on skills training opportunities
  - Monthly virtual PD sessions
- Team cohort so you have a group of like-minded research teachers for support
- Dedicated Head Coach for one-to-one direct support when you need it - how you need it.
- Drop-In Coaching is an expert science teacher who is available during the school day to help you or your students.
- Field Coach is a retired research teacher who will work with your student to complete their experiments in the field when the student needs it.





Science Coach reviews projects for Intellectual property potential and offers an innovation to entrepreneurship pathway.

When you have the "amazing" student who invents something that has the potential to change the world, we can help move that innovation forward.







### Science Coach PROFESSIONAL DEVELOPMENT

#### **Full Program Funding**

Milestone Based Stipend - \$2,000 (Or Extra Duty/Extra Pay)

#### 1101

\$6,000 per Coach/Year

**Total Cost** 

Professional Development Fee - \$2,750

(Teacher receives \$500 stipend)

Student Supplies - \$800

Recruit/Retain Students - \$450



## If you are a research teacher who wants to go to the next level...

Apply today to see if you qualify to become a Science Coach!

(No obligation to accept the opportunity, but it does let you know if your eligible to participate.)



Visit our website!



Read the Science Coach PD <u>literature</u>!





Call us! 314-501-1940 Email us: Teams@ScienceCoach.org