



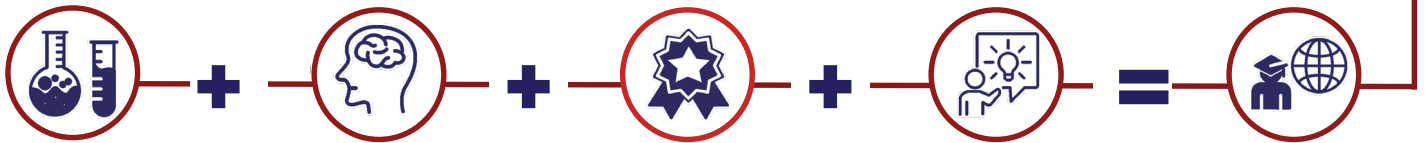
Science Coach
EDUCATE • INNOVATE • ACHIEVE



BUILDING A GENERATION THAT NEVER STOPS ASKING "WHY"?

Our world is rapidly changing. The pace of scientific innovation and discovery has fueled demand for employees who are not only STEM (Science, Technology, Engineering, and Math) literate, but also possess the ability to communicate clearly, problem-solve, collaborate, and think critically and creatively. We know that not every student will become a scientist, but every student needs to be equipped to live in an increasingly technologically literate world. This means we need to reimagine and catalyze new approaches to teaching.

We Know



Scientific Process

Conducting high-quality research and testing questions develops persistence and resilience, both vital 21st century skills.

Relevant, hands-on learning

Developing questions important to them allows students to imagine new possibilities, become critical thinkers, and develop a passion for their role in an evolving world.

Recognition & validation

Students who have an opportunity to be recognized for their work through awards, scholarships, patents, and/or business ventures build confidence, validates their work, and builds skills for future pursuit of education and careers.

Skills application

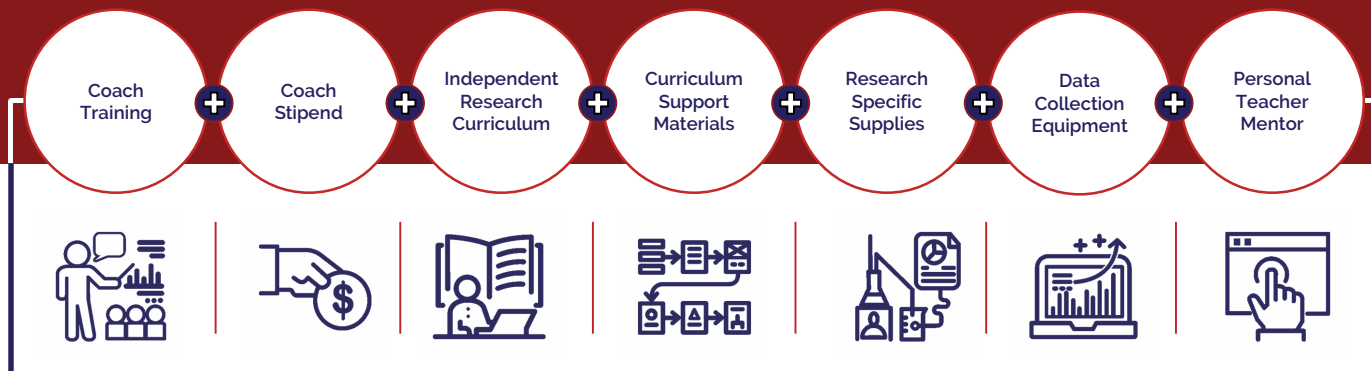
Given the opportunity to apply what they've learned through the research process to other areas of their life, students become life-long learners.

Students who believe they can change their world

Who we are

Science Coach - a program of BioSTL - believes that the scientific process is the best tool to excite, prepare, and empower students to succeed in our rapidly changing world. We were created in 2007 by current and former educators to give teachers a complete support system where they learn how to coach students in completing high-level scientific research and then enter those projects into various competitions. Teacher Coaches also help students apply the Science Coach approach to other areas of students' lives.

Serving 6th - 12th grade students from private, public, and home schools, we form Science Coach teams where highly experienced teachers coach a group of 10 students. By giving students a mix of choice and responsibility, cognitive concepts, and practical activities - supported by a caring, compensated teacher Coach - we help schools and teachers engage students in learning that is rigorous, relevant, and rewarding. Our ongoing system of support for teachers is really the unique and vital component of the Science Coach program.



Our Impact

Our results speak for themselves:

Students have made groundbreaking discoveries, developed scientific confidence, and changed the trajectory of their life into a STEM career pathway.

Students have won 33 national and international awards and received \$251,120 in scholarships and cash prizes.

Teachers rate Science Coach as one of the best experiential methods to teach students about the scientific process and develop a generation of critical thinkers - they tell us we are filling a hole in STEM education and quality scientific research.

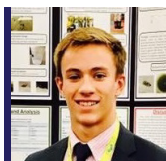
Students Changing the World



Luke invented a mobile process for hikers to detect Lyme disease bacteria in a tick allowing proactive treatment. Having placed 2nd and 4th in the WORLD, he is now majoring in Biology.



Elizabeth is saving the honey bees by creating a RNA transference sequence that only hurts the mites that feed on the bees. This 10th grader earned 1st and 2nd in the WORLD, over \$63,000 in prizes and scholarships and continues competing with her research today.



Nick grew a late-sporulating fungus that PERMANENTLY inoculates Ash trees from the Emerald Ash Borer. He won 4, 1st and 2nd places in the WORLD and is currently majoring in Biology/Kinesiology.

Join Us!

Simply put, donors help us make this life-changing experience work. We invite you to join us as we enter a period of growth and expansion so that more students can experience the thrill of scientific discovery and believe they can change their world.

Here's how:

- Make a tax-deductible gift to Science Coach
- Host tours, present to, or serve as a subject matter expert to teachers and/or students
- Network with other donors interested in moving science education and student achievement to new levels
- Listen, critique, and offer feedback for students who are practicing their science project presentation



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www.ScienceCoach.org

314-501-1940

4340 Duncan Ave.
St. Louis, MO 63110