

Being a highly effective teacher is equally important as having the best instructional resources. STEMcoach™, the professional development arm of Accelerate Learning, knows that a teacher's professional development is the single best investment in our students' futures. With STEMcoach, engaging and knowledgeable STEM coaches provide a wide variety of research-based, hands-on professional development and STEMscopes product trainings. STEMcoach is ready to develop your skills as a science teacher so you can have a direct impact on your students' success and build your leadership capacity for implementing STEM programs.



### Implementation Training

STEMscopes is intuitively designed so all teachers can grab-and-go from day 1. However, it takes time to fully utilize all the features of STEMscopes and master the 5E model on which it is constructed. Implementation trainings are designed to help schools and districts that are new to STEMscopes get up to speed quickly.

- > Customized to the areas your teachers need the most, the training offers modules in pedagogy, hands-on inquiry, navigation, lesson planning, user interface, STEM strategies, demystifying the 5E, and creating a STEM classroom.



### Follow-Up Training

Engaging and informative STEMcoach advanced sessions help teachers continue to grow professionally, responding to their needs and providing clear, actionable plans so they can learn more and dig deeper into the features of STEMscopes, STEM practices, and the 5E instructional model. Follow-up trainings are brief courses available both in person and via webinars to hone specific skills.

- > Select from implementation topics
- > Hands-on and interactive—what you need and just-in-time



Learn more about PD opportunities. **Visit [acceleratelearning.com/pd\\_face\\_to\\_face](https://acceleratelearning.com/pd_face_to_face).**

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### STEM Instructional Practices (SIPs)

Based on the research of John Hattie and Tony Frontier, STEMcoach has identified 15 key STEM teacher actions that increase student engagement and achievement when implemented proficiently. Focusing on the “why,” the “what,” and the “how to,” each SIP expands your powerful instructional toolkit so you can better meet the learning needs of the students in your science classroom. We offer twelve three-hour face-to-face workshops for teachers to:

- > Increase your skills in the implementation of Scientific and Engineering Practices.
- > Learn additional instructional strategies for skills in scientific literacy, a student-centered learning environment, and inquiry-based instructional practices that lead to deeper conceptual understanding of science concepts.
- > Build on the knowledge and skills learned in Professional Development courses by earning a National Certificate for STEM Teaching.
- > **Creating an Environment for Learning:** Creating a Positive Classroom Culture, Establishing Cooperative Learning, and Integrating Technology in the STEM Classroom
- > **Building Scientific Understanding:** Shifting Towards Inquiry, Building Scientific Literacy, Facilitating Questioning and Discourse, Utilizing Assessment
- > **Engaging Students in Scientific and Engineering Practices:** Designing Engineering Solutions, Implementing Project-Based Learning, Conducting Scientific Investigations, Engaging in Scientific Argumentation, Explaining through Claim-Evidence-Reasoning



### STEMposiums

Designed for campus and district leaders who are fine-tuning their understanding of STEM programs, STEMposiums focus on how to integrate engineering and problem-solving skills into active learning in the science-based STEM classroom. These full-day, highly engaging events bring together district and campus leaders in your area to critically discuss what STEM in the classroom really means.

- > Leave with a clear understanding of STEM, and how a strong 3 dimensional STEM program can close achievement gaps and guide decisions about STEM programming.
- > Develop a new paradigm for STEM that transcends robots and personal technology.