



QUALITY INSTRUCTION MATTERS

Discover your path to
STEM excellence

STEMscopes™
THE LEADER IN STEM EDUCATION

NATIONAL
INSTITUTE
for
STEM
EDUCATION

PROFESSIONAL LEARNING

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Whether you're looking to maximize teachers' use of STEMscopes curriculum, develop their capacity to use high-impact STEM strategies in the classroom, or earn distinction as a nationally certified STEM campus or district, STEMscopes Professional Learning has a solution that's right for you.

**ARE YOU ON TRACK TO ACHIEVE YOUR
PROFESSIONAL GOALS? ALLOW US TO HELP.**



WHY US?

We know and love STEM! At the core of every decision we make and service we provide is a passion to elevate and extend STEM to every learner, every day. We are an organization made up of educators, administrators, and specialists who understand STEM education and professional learning.

As your professional learning partner, we promise to -

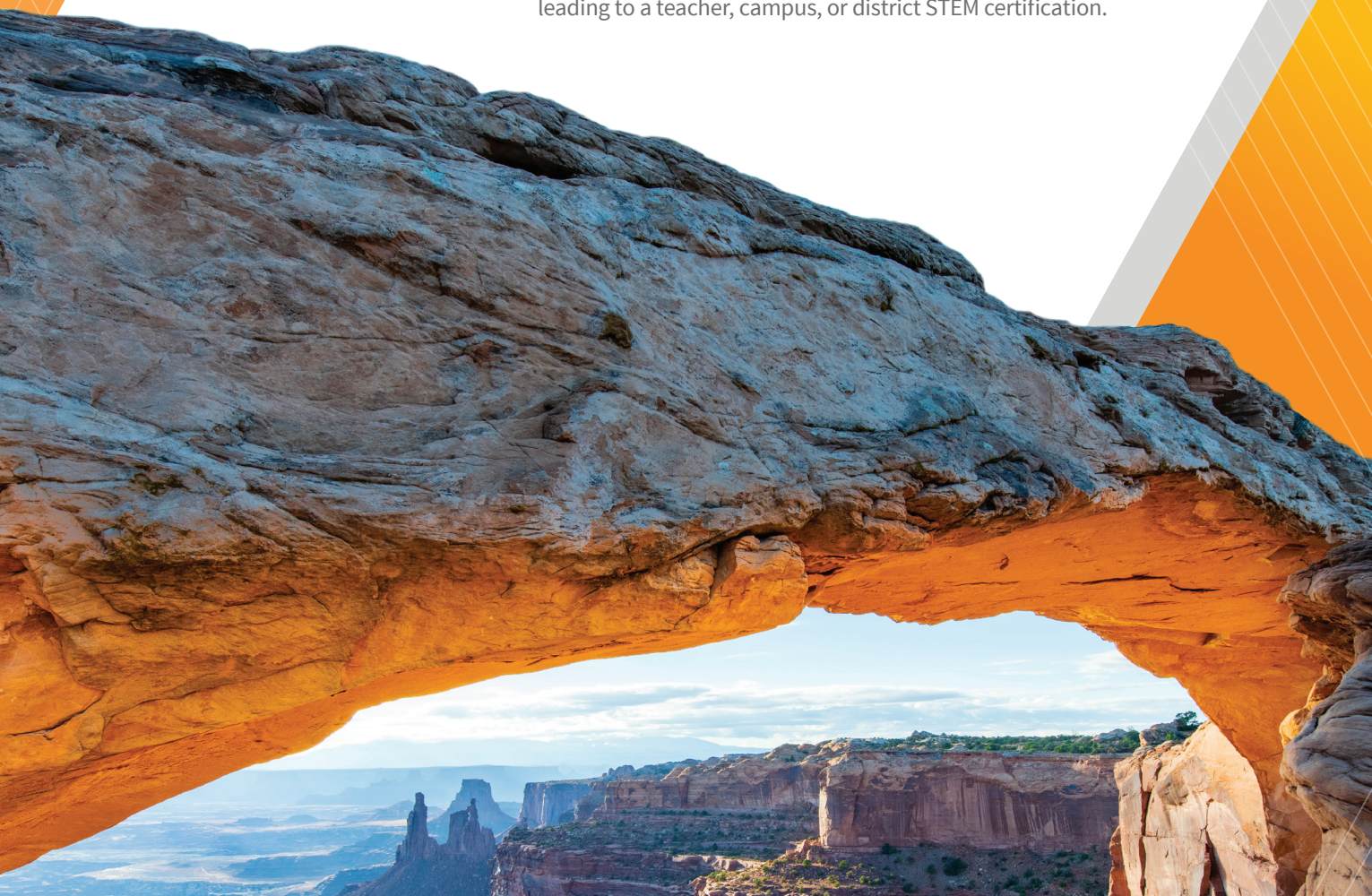
- Seek to understand your needs and priorities
- Provide you with the highest quality programs and services
- Respect and build from the work you have done and are doing

While keeping our promise to you, we will support you in choosing the right blend of professional learning solutions.

Product Implementation - Maximize teachers' use of STEMscopes science and/or math curriculum by supporting their understanding of the structure of STEMscopes, constructivism, and high impact instructional strategies.

Best Practices - Deepen teachers' knowledge of STEM-specific instructional strategies by supporting their exploration and integration of best practices for the STEM classroom, including science and engineering practices and the standards for mathematics practice.

National Institute for STEM Education - Recognize teachers, campuses, and/ or your district for having completed the professional development leading to a teacher, campus, or district STEM certification.



IMPLEMENTATION TRAINING



STEMscopes understands that quality curriculum materials require quality professional learning, extended over time, to create lasting changes in student outcomes. Thomas Kane, professor of education at Harvard University, put it best when he asserted that using a better frying pan does not necessarily mean you will cook a better omelet. So, rather than just giving teachers a “better frying pan” our implementation training sessions help ensure teachers’ success with STEMscopes.

We offer a broad range of implementation training opportunities, including:

- Webinars and Self-Guided Online Training
- STEMscopes Core Curriculum Implementation Training
- STEMscopes Enhanced Features Implementation Training

Extended, scaffolded training increases teachers’ competence and confidence in maximizing the district’s investment in curriculum resources. Furthermore, research by the [Carnegie Foundation](#) has shown a strong and consistent link between how a curriculum is used and student outcomes.

Research on STEMscopes implementations has also shown a strong and consistent link between the fidelity of product implementation and student outcomes. You can learn more at stemscopes.com/case_studies.



BEST PRACTICES TRAINING

Our Best Practices Training sessions are customized, evidence-based, and highly relevant to elevate teaching and learning across schools and districts.

The STEMscopes Professional Learning team uses a three-pronged approach to designing a comprehensive professional learning solution that meets your needs:



Needs Analyses

We have multiple ways of helping schools and districts assess their current instructional needs. For example, surveys can provide information regarding the implementation of Science and Engineering Practices (SEPs), Standards for Mathematical Practices (SMPs), and/or the use of school-wide STEM strategies.

Best Practices Training

Building from quantitative and qualitative data, our team will collaborate with you to select and prioritize Best Practices Training sessions. Best Practices Training supports teachers' facilitation of hands-on learning, whether teaching on-site or remotely, and furthers their understanding of evidence-based instructional strategies.

Coaching

Working in small groups or one-to-one, our coaches use a standards-based, instructional coaching cycle to build teacher, leader, or administrator capacity as needed to maximize student learning.

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CERTIFICATES

STEMscopes has partnered with the National Institute for STEM Education to offer STEM certificates for teachers, campuses, and districts. These nationally recognized STEM certificate programs will distinguish you as having established the necessary knowledge, strategies, or systems to support meaningful STEM learning for all.



National Certificate for STEM Excellence (NCSE)

Campus or District STEM Certificate. With the support of a dedicated coach, STEM leadership teams apply NISE resources, tools, and processes to identify, implement, and sustain systemic STEM goals.



National Certificate for STEM Teaching (NCST)

Teacher STEM Certificate. Self-paced, competency-based certification. Supported by a virtual coach, teachers build a portfolio demonstrating proficiency across the 15 STEM Teacher Actions.



Online Courses & Micro Certificates

100% online, self-paced (~3 hour) courses focus on teachers' understanding and application of essential STEM and online teaching strategies.





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