The leader in PreK-12 STEM education.

Preview now at STEMpreview.com
Imagine Tomorrow’s STEM Classroom, Today

Students are working collaboratively on thought-provoking, engaging lessons that make abstract science concepts concrete. A group of students are working closely with the teacher on an engineering-design challenge, actively applying what they learned in yesterday’s lab. Others are using technology alongside hands-on models as they take measurements in a digital simulation, revealing underlying mathematical patterns to support their claims.

This isn’t tomorrow—it’s now, with STEMscopes. Tomorrow’s STEM leaders—biophysicists, renewable energy technicians, electrical engineers, and program architects—are in your classroom today. How will your STEM solution prepare them today for the knowledge, skills, and passion needed for a better tomorrow?

STEMscopes started in an educator professional development lab and was incubated in the classroom by practicing teachers. Written by hundreds of teachers from all over the United States, STEMscopes represents the best in STEM pedagogy, instructional materials, and affordability when it comes to a comprehensive STEM solution.

Using a wide variety of resources from school science night missions to awe-inspiring digital simulations to captivating hands-on investigations, students using STEMscopes have the opportunity to experience STEM like never before in a truly blended learning environment. In use by over 4,000,000 students across all 50 states, STEMscopes is unparalleled in its history of driving student results and helping teachers do what they do best: teach.
Accelerate Learning, Inc.

Incubated at Rice University, Accelerate Learning has grown from a single digital classroom product, STEMscopes, to a brand that now offers three suites of products, including digital classroom products, supplemental print and hands-on materials, and STEM Certification and professional development programs. All products support early learning, Next Generation Science Standards, and state-aligned curriculum. Accelerate Learning’s flagship digital science program, STEMscopes, is used by over 4 million students and 200,000 teachers in 50 US states, including many large, urban districts with large proportions of economically disadvantaged students and English language learners.
100% Aligned to Standards
STEMscopes products are built from the ground up to comply with specific state standards. We pride ourselves on being comprehensively aligned so that you can focus on teaching, rather than seeking additional resources to fill the gaps left by traditional “one size fits all” textbook curricula.

For Teachers, By Teachers
We’ve expanded this approach from having teachers writing curriculum to also continuously using teacher feedback to evolve at the speed of real-world classrooms. STEMscopes products have an integrated feedback system so that any teacher can request edits, suggest new features, and even become one of our practicing teacher-writers.

Learning by Doing
Constructivist learning is at the heart of STEMscopes lesson design. Students learn best when they interact with STEM directly, beyond tablets and digital devices, and in the real world. We’ve proved that, by immersing students in hands-on learning, not only do they perform better on high-stakes testing but they also learn about STEM phenomena at deeper levels than their peers who only do so digitally or through text.

PD at the Heart
Incubated in the lab, STEMscopes began as a professional development program for practicing teachers looking to increase inquiry and constructivist learning practices in their classrooms. Our PD program helps teachers on-board themselves quickly, mastering the navigation and tools of STEMscopes products as well as the underlying STEM pedagogy. For schools and districts ready to move to the next level of STEM teaching proficiency, we offer teacher, campus, and district certification through NISE.
A Track Record of Success

Whereas other curriculum products use small-scale case studies and manicured classroom settings to demonstrate the effectiveness of their solution, STEMscopes conducts authentic research using hundreds of thousands of students in big data studies to compare student achievement, usage rates, and demographic impact data between individual campuses and school districts and across states. Through peer-reviewed research, STEMscopes has repeatedly set itself apart as a low-cost STEM solution that increases student achievement levels, augments STEM teaching time, and improves teacher performance on STEM best practices.

1. Studies using 350,000 students have shown that districts using STEMscopes outperform those using other curricula on high-stakes testing.

2. Students who have STEMscopes Early Explorer in pre-Kindergarten show better growth in science achievement in Kindergarten.

3. Teachers measurably improve their STEM teaching with STEMscopes curriculum and professional development.
STEMscopes K-12
Comprehensive STEM curriculum

STEMscopes K-12 is the fastest growing STEM curriculum in the nation. Found in all 50 states with over 4 million student users, STEMscopes K-12 caters to NGSS states and customized state editions with unparalleled alignment. At its heart is a constructivist, hands-on lesson model that drives student engagement and boasts a history of improving school and district performance on high-stakes testing.

- Inquiry-based 5E + intervention and acceleration instructional model
- Crosscurricular learning: hands-on labs, simulations, science reading, engineering challenges, and more
- Continuous enhancement: feedback-based design that evolves with new content, tools, assessments, and features

learn more at stempreview.com
STEMscopes Early Explorer
STEM Starts Early

The first of its kind, STEMscopes Early Explorer was designed with state Pre-K standards, NGSS, and Head Start in mind. Using a centers-based approach, STEMscopes Early Explorer introduces Pre-K and Kindergarten students to scientific phenomena, literacy, mathematics, art, and more—all while developing inquiry skills and critical thinking.

- Centers-based learning model enables easy differentiation with crosscurricular learning
- Beautifully illustrated Big Books help students develop literacy while learning science content
- Intuitive design makes it easy for teachers to use on day one: access, print, grade, and involve parents, all with one solution

learn more at stemsscopes.com/early_explorer
DIVE-in Engineering
The Makerspace Meets Engineering Design Curriculum

Designed in partnership with New York Hall of Science, DIVE-in promotes critical thinking and creativity as students DIVE—deconstruct, imitate, vary, and explore—into engineering design problems. From creating subwoofers to projectors, mechanical claws to geared cars, students will relish the opportunity to solve real-world problems hands-on.

- Hands-on engineering design meets real-world problem solving and critical thinking
- Take an engineering approach with the DIVE method: deconstruct, imitate, vary, and explore
- An ideal solution for small group acceleration or after-school enrichment

Learn more at stemscopes.com/dive-in
STEMrangers Science Night
Make Science Night Meaningful

Navigated by Philippe Cousteau of EarthEcho International, STEMrangers charges school communities with caring for our planet through meaningful science nights. The mission begins before the science night and continues long after as students, parents, and teachers learn about and create action plans for missions such as conserving water both at school and home.

- Video intros and mission briefings by world-renowned scientist and explorer, Philippe Cousteau

- Make science nights meaningful: bring together families and schools to solve real-world environmental issues

- Involve parents in their student’s STEM learning

learn more at stemscopes.com/stemrangers
STEMcoach
21st-century Professional Development

STEMcoach trainers come from the classroom, bringing a wealth of knowledge from their personal experiences driving student results. Extending the classroom’s hands-on approach to professional development, participants learn to use key features of STEMscopes, learn to write lessons using the 5E, and master specific STEM instructional best practices.

- Face-to-face and webinar-based delivery makes the learning timely and efficient
- Research-proven to increase STEM teaching practice proficiency and student performance
- Customizable delivery and focus based on the needs of your campus or district

learn more at stemscopes.com/pd
The National Institute for STEM Education (NISE) Teacher and Campus STEM Certification

The National Institute for STEM Education (NISE) is an innovative, competency-based STEM certification program that helps educators and campuses evolve their STEM teaching practices. Teachers and campuses admitted to the program gain recognition and work to master research-based best practices across three unique domains containing the 15 STEM Teacher Actions.

- Self-paced, competency-based, and coach-led: learn from anywhere at your own speed
- Earn master’s and doctorate degree credits with American College of Education
- Expand your educator portfolio, distinguish your education career, and empower your teaching

learn more at getstemcertified.com