



RICE



*The Leader in PreK-12 STEM Education*

**REAL WORLD SCIENCE. BUILT BY TEACHERS.**



# WE START WITH A TEACHER

## Kelsey

**4TH GRADE TEACHER**  
*and Curriculum Writer*



**“By teachers for teachers”  
is not a slogan—it’s a fact.**

**STEMscopes was incubated in the classroom  
and continuously refined by practicing teachers.**

Our origins lay in providing professional development for teachers who seek to develop inquiry-based learning classrooms. Born from the lab and penned by the hands of expert teachers, STEMscopes has always had its ear to the ground: taking in feedback, best practices, and the latest pedagogy to develop the most effective STEM curriculum.

**“** Throughout my teaching career, we’ve used a lot of different curriculum programs and what really sets STEMscopes apart from them is that it’s written by current classroom teachers and instructional specialists. **”**

# WHAT MAKES US DIFFERENT?



## CURRICULUM BY TEACHERS FOR TEACHERS

Accelerate Learning understands that the only way to build curriculum is from the ground up by current teachers for teachers. You won't find any "now aligned" stickers here. The result is simple: all of our STEM solutions have been uniquely crafted to meet the needs of the state where they will be used in order to maximize ease of use and student achievement.



# 100% DIGITAL AND ALWAYS UP-TO-DATE

Digital curriculum is more than PDFs and webpages. STEMscopes was built to be flexible for use in 1-to-1, blended, and traditional classrooms. Our unique digital infrastructure allows us to rapidly change content based on user feedback, new scientific data, and content created by our in-house teams. If Pluto is readmitted as a planet tomorrow, we're ready to make the change the same day across all digital content so students can continue to grow and achieve at a high level.



# HANDS-ON INVESTIGATION

Demand for STEM careers shows no signs of slowing down. For students to become tomorrow's STEM leaders, they need to experience STEM first. At the core of each of Accelerate Learning's STEM solutions is hands-on, inquiry-based investigation that helps students become tomorrow's STEM leaders and innovators by letting them experience science. As students dive into the investigations found in each scope, they develop their own contexts and meanings for the scientific concepts they are learning, retain more knowledge, and develop deeper understandings of the world around them.



# LOWEST COST PROVIDER

With over 30 resources per module, interactive elements, embedded professional development, numerous teacher tools, digital + print + kit options, and constant updates, you'd expect STEMscopes to be a pricey program.

In fact, STEMscopes is extremely affordable for schools and districts, costing significantly less than "a textbook" per student per year.



# STEMscopes™

STATE EDITION



## Customizable STEM Curriculum

Engaging for students, easy to use for teachers, and proven in the classroom, STEMscopes is your one-stop solution for STEM. With over 25 resources per module, extensive cross-curricular connections, a strong inquiry foundation, and a wide variety of assessments, the possibilities for your STEM classroom are limitless.

### Align Curriculum to Your State Standards

- › 100% customizable to varying standards.
- › Available for K-5, 6-8, and 9-12.

### Implement the Proven 5E+IA Instructional Model

- › Every module in each grade level uses the 5E+IA lesson model, which emphasizes student learning through hands-on science, and includes intervention and acceleration resources.

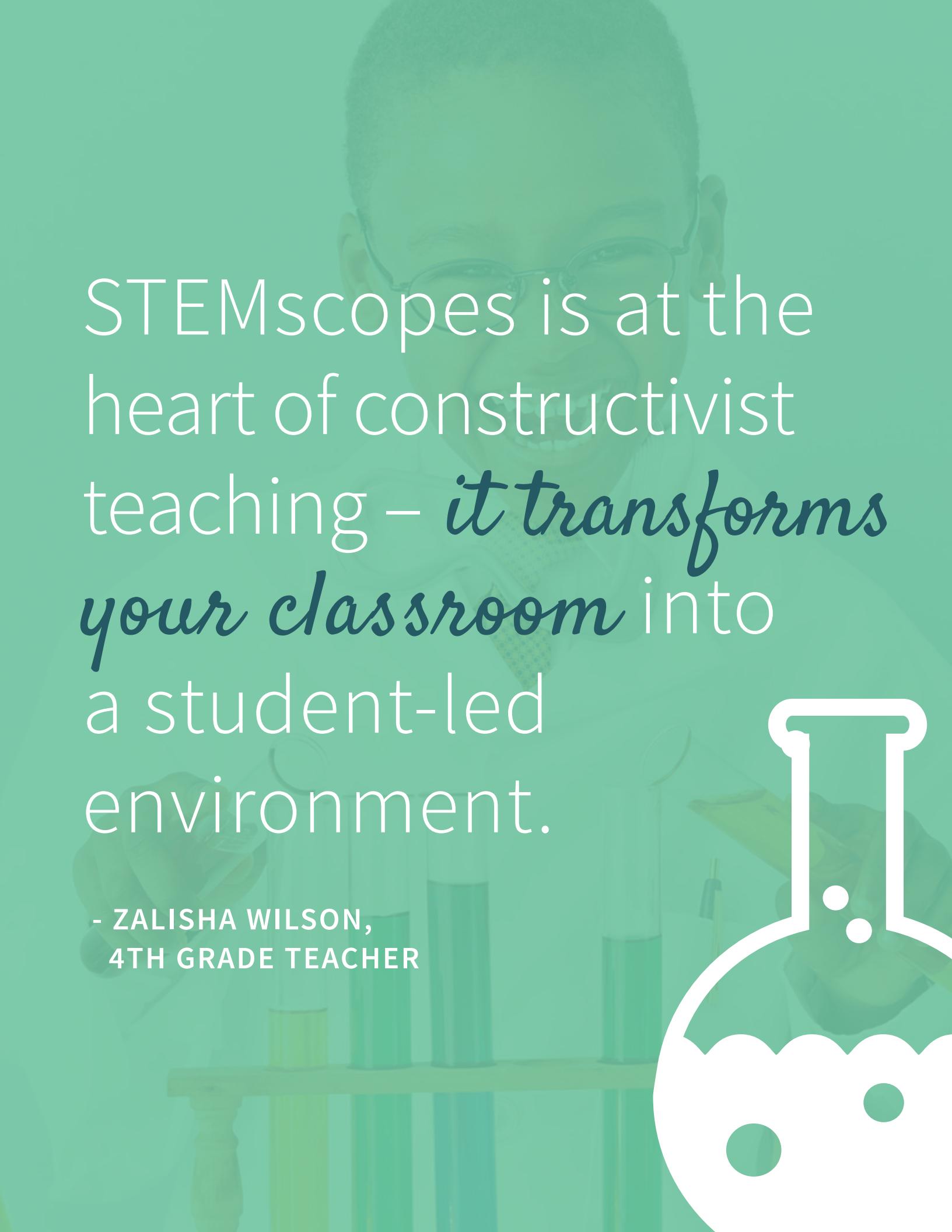
### Everything a Teacher Needs in One Place

- › No more cobbling together materials.
- › Analytics, student accounts, an assessment builder, ESL strategies, and teacher guides to support your instruction.

### 21st Century Technology

- › E-books and digital journals.
- › Student app designer.
- › Drag-and-drop lesson planner.



A teacher wearing safety goggles and gloves is shown in the background, conducting a science experiment with test tubes. The teacher is wearing a white lab coat and a stethoscope around their neck. A large white speech bubble is positioned in the bottom right corner.

STEMscopes is at the heart of constructivist teaching – *it transforms your classroom* into a student-led environment.

- ZALISHA WILSON,  
4TH GRADE TEACHER

# STEMscopes™

EARLY EXPLORER

## Start Growing Young Minds



Starting STEM early changes the lives of students, improves schools as a whole, and lays the foundation for future STEM leaders. STEMscopes Early Explorer was thoughtfully designed by pre-K teachers with busy pre-K teachers in mind.

### Foster Inquiry and Discovery for Young Children

- › It's the first of its kind—built from the ground up to Head Start and state pre-K guidelines and scaffolded to prepare students for NGSS Kindergarten standards.

### Figure Out which Students are Getting It

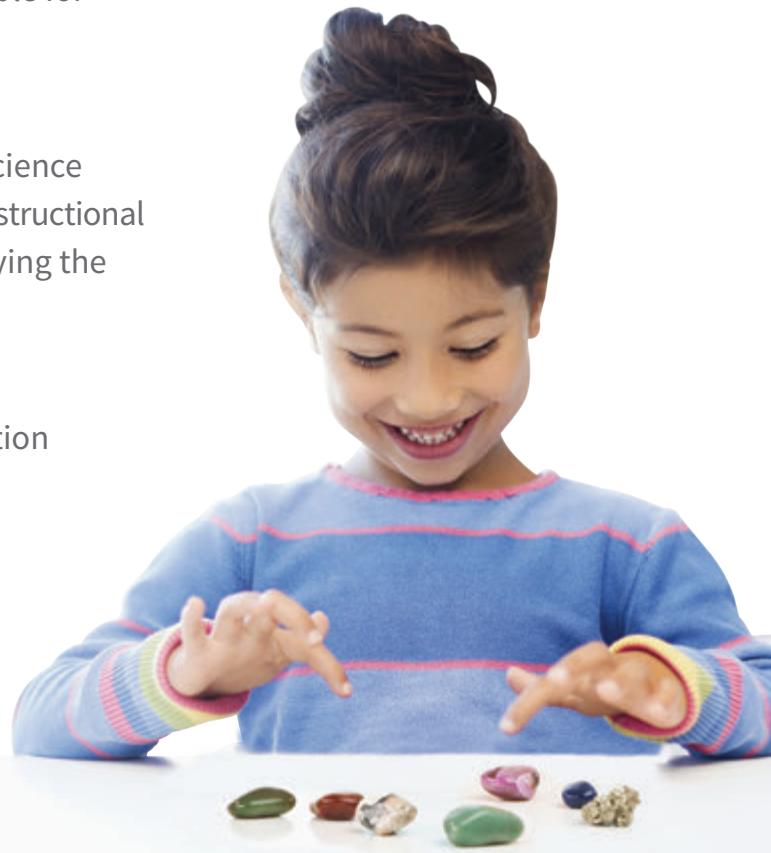
- › Observation and progress reporting tools available for all activities.

### Cross-curricular Instruction

- › Develop math skills, literacy, engineering, and science knowledge using the Up Model, a centers-based instructional model that develops inquiry and exploration, laying the foundation for future STEM learning.

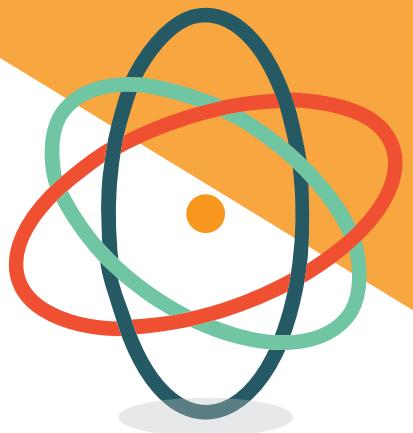
### Big Books

- › Develop literacy with 24 digital Big Books (12 fiction and 12 nonfiction), or bring them to life with supplemental print.



What really sets  
STEMscopes apart  
is that it's *written by*  
*current classroom*  
*teachers and instructional*  
*specialists.*

- JENNIFER APODACA,  
4TH GRADE TEACHER



# Demystify the Standard

You won't find any "now aligned" stickers here. STEMscopes NGSS was built from the ground up over the course of two years to demystify the Next Generation Science Standards. From hands-on, inquiry-based investigations to Common Core math and literacy activities, we take the guesswork out of teaching the NGSS. [Available for K-5, 6-8, and 9-12]

## **Written Explicitly to the NGSS**

- › The ONLY program written from the ground up, tested by teachers, and based on a unique pedagogical model (the IDEA model) to address the NGSS.

## **Built to Each NGSS Standard**

- › Every NGSS Disciplinary Core Idea, Performance Expectation, Crosscutting Concept, and Science and Engineering Practice is covered.

## **Access Multiple Hands-on Lessons for Every Standard**

- › Each module for NGSS has 2-5 hands-on activities, including project-based learning, engineering solutions, and virtual investigations.

## **Take Assessment to a New Level**

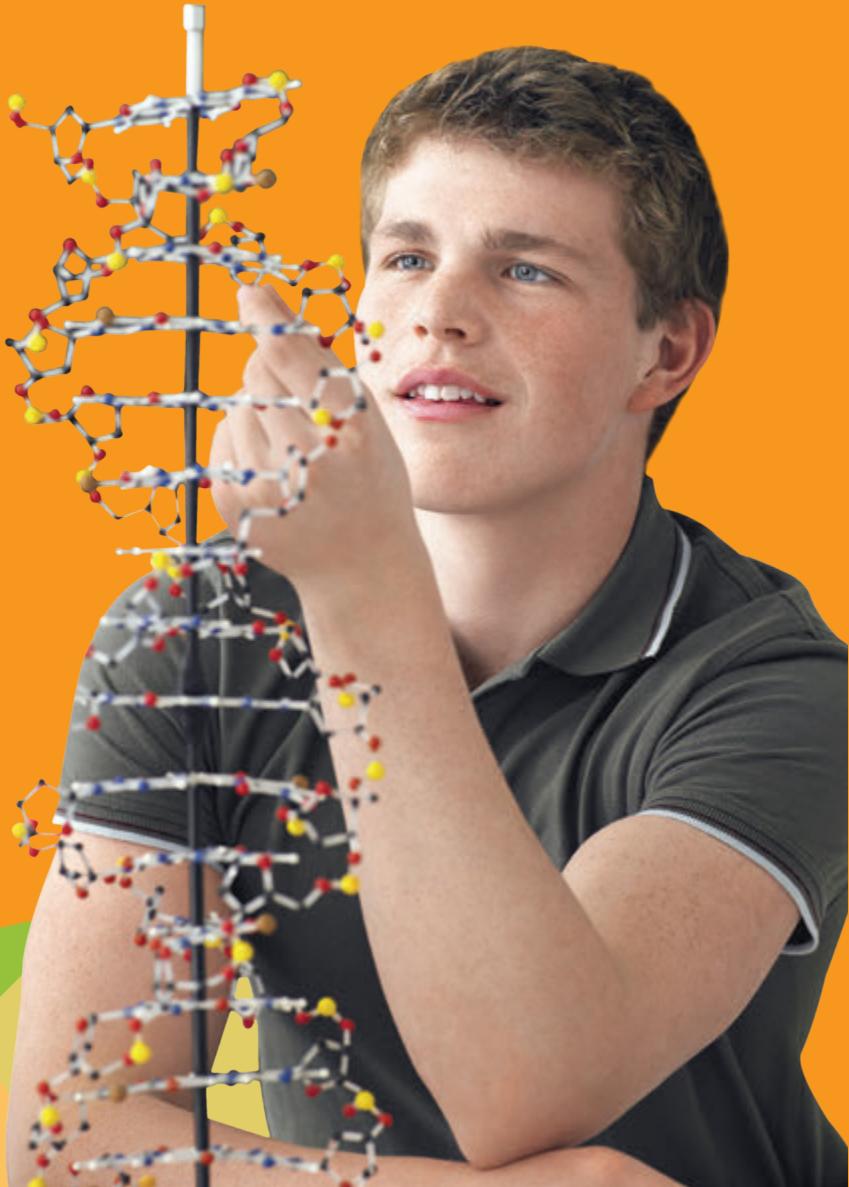
- › Innovative claim-evidence-reasoning assessments allow you to accurately gauge your students' depth of knowledge while promoting an environment of inquiry and discourse.

*Next Generation Science Standards is a registered trademark of Achieve. Neither Achieve nor the lead states and partners that developed the Next Generation Science Standards were involved in the production of, and do not endorse, this product.*

STEMscopes is the right tool. Teachers who fully implement it in their classrooms

*see their students succeed.*

- DENISE FISHER,  
STEM COORDINATOR





## STEM Support on Overdrive **STEMcoach.com**

Without a quality, go-to resource for training, even the best-designed program falls short. Embark on a STEM PD journey with Accelerate Learning that will help you instill your passion for STEM in your students. STEMcoach.com offers teachers free, 24/7 support through an online community filled with best practices videos, lesson sharing, webinars, and articles written to improve the way we teach STEM.

### **Training for STEMscopes Curriculum is available in 4 phases:**

**Launch Training:** Teachers learn the basic tools and instructional techniques themselves with the selected program. We keep ongoing support via periodic webinars and advanced classes to help teachers supplement the foundational skills they developed in the initial training.

**Mentoring:** Individual or groups of teachers spend time with a STEM education expert to understand the deep nuances and dynamics of teaching STEM. Enhancing Professional Learning Communities, understanding areas of professional and emotional growth, and learning best practices and advanced tools in STEMscopes are only a few of the roles a STEMcoach mentor fills.

**Ongoing Support:** Teachers receive one-on-one classroom coaching opportunities with the objective of making every teacher a STEM expert. Coaches model key practices, such as inquiry-based teaching, and help teachers take a deep dive into student data. Coaches also help teachers critically reflect on their strengths and weaknesses to ensure growth in each teacher.

**STEMart:** Make art classes a science experience. STEMart training helps art teachers support science instruction by teaching them how to incorporate science activities into the visual arts. Trainings include a teacher guide filled with more than 40 activities and examples for K-5 that cover earth and space science, life science, and physical science.

# *Kit and Print*

Supplement your STEMscopes digital curriculum with hands-on materials kits and print bundles available in Spanish and English—ideal for supporting blended learning and traditional classrooms, at-home connections, literacy, and hands-on investigations—at a price affordable for any school budget.

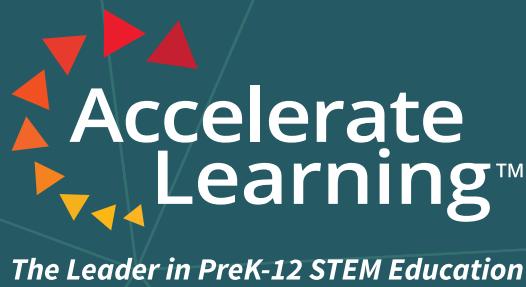
Easy-to-use hands-on materials lists and digital print versions are also available in every STEMscopes digital subscription should you choose to not purchase supplemental print materials.



# *Take me back to your classroom!*

Download engaging STEM classroom activities.

Visit [acceleratelearning.com/STEMactivity](http://acceleratelearning.com/STEMactivity) and try us out!



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1-800-531-0864 | [www.AccelerateLearning.com](http://www.AccelerateLearning.com)



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