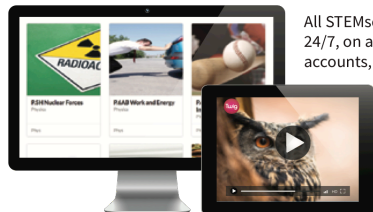


5E+IA Lesson Cycle

ESSENTIALS	ENGAGE	EXPLORE	EXPLAIN	ELABORATE	EVALUATE	INTER/ACCEL
<ul style="list-style-type: none"> ① Standards Alignment ② Teacher Background ③ Materials List ④ Answer Keys 	<ul style="list-style-type: none"> ① Investigative Phenomena ② Accessing Prior Knowledge ③ Graphic Organizer ④ Hook 	<ul style="list-style-type: none"> ① Hands-On Activities ② Scientific Investigations ③ Inquiry Investigations ④ Research ⑤ Data Literacy ⑥ Engineering Solutions 	<ul style="list-style-type: none"> ① Picture Vocabulary ② Linking Literacy ③ STEMscopedia ④ Communicating Science ⑤ Concept Review Game ⑥ Content Videos 	<ul style="list-style-type: none"> ① Math Connections A/B/C ② Reading Science A/B/C ③ Science Today ④ Career Connections ⑤ Simulation Practice ⑥ Scientist Spotlight 	<ul style="list-style-type: none"> ① Claim-Evidence-Reasoning ② Open-Ended Response ③ Multiple Choice Assessments ④ 3D Assessments 	<ul style="list-style-type: none"> ① Guided Practice ② Independent Practice ③ Concept Attainment Quiz <hr style="border: 0; border-top: 1px dashed black;"/> <ul style="list-style-type: none"> ① Extensions ② Science Art ③ Project Based Learning ④ Books on Topic
GROUPING						
TEACHER/STUDENT	T — ○ — S	T — ○ — S	T — ○ — S	T — ○ — S	T — ○ — S	T — ○ — S
DESCRIPTION Essentials (Home) contains all the resources teachers need to understand the content covered and prepare for instruction. Now your “TE” can travel with you —no need to lug around a heavy textbook!	Hook your students, discover their background knowledge, and develop the initial context for your lesson in Engage.	Students build their understanding in the Explore through extensive hands-on, inquiry-based science investigations and activities.	Explain provides teachers the opportunity to connect hands-on learning to science content through a variety of methods, including direct instruction, STEM videos, games, and expository reading with parent connection activities.	Elaborate offers numerous differentiation opportunities through cross-curricular connections to reading, math, engineering, and more.	Assess your students using a variety of assessment tools, such as multiple choice, open-ended response, and performance expectation assessment tasks (PEATs).	Intervention and Acceleration offer unique opportunities to support students with materials designed specifically to target student misconceptions and challenge their thinking in new ways.

SUPPORTING MATERIALS



All STEMscopes resources are available online, 24/7, on any device. Instantly create student accounts, assign activities, print on-demand, generate custom assessments, create and share lesson plans, analyze student data, and access embedded professional development. Gone are the days of lugging around a big, out-of-date TE. Everything you need is available at the click of a button.



The Student Notebook contains student lab guides, journaling, the STEMscopedia text, and differentiation activities for students all in one place. Save hours at the printer and invite parents to participate in student learning with these cost-saving books!



Research shows that hands-on learning helps student understand more, retain longer, and achieve higher on high stakes testing. Hands-on kits are efficiently organized by activity to save you time and money when you set up your lab activities.