TEXAS STEMscopes™
K-12 SCIENCE

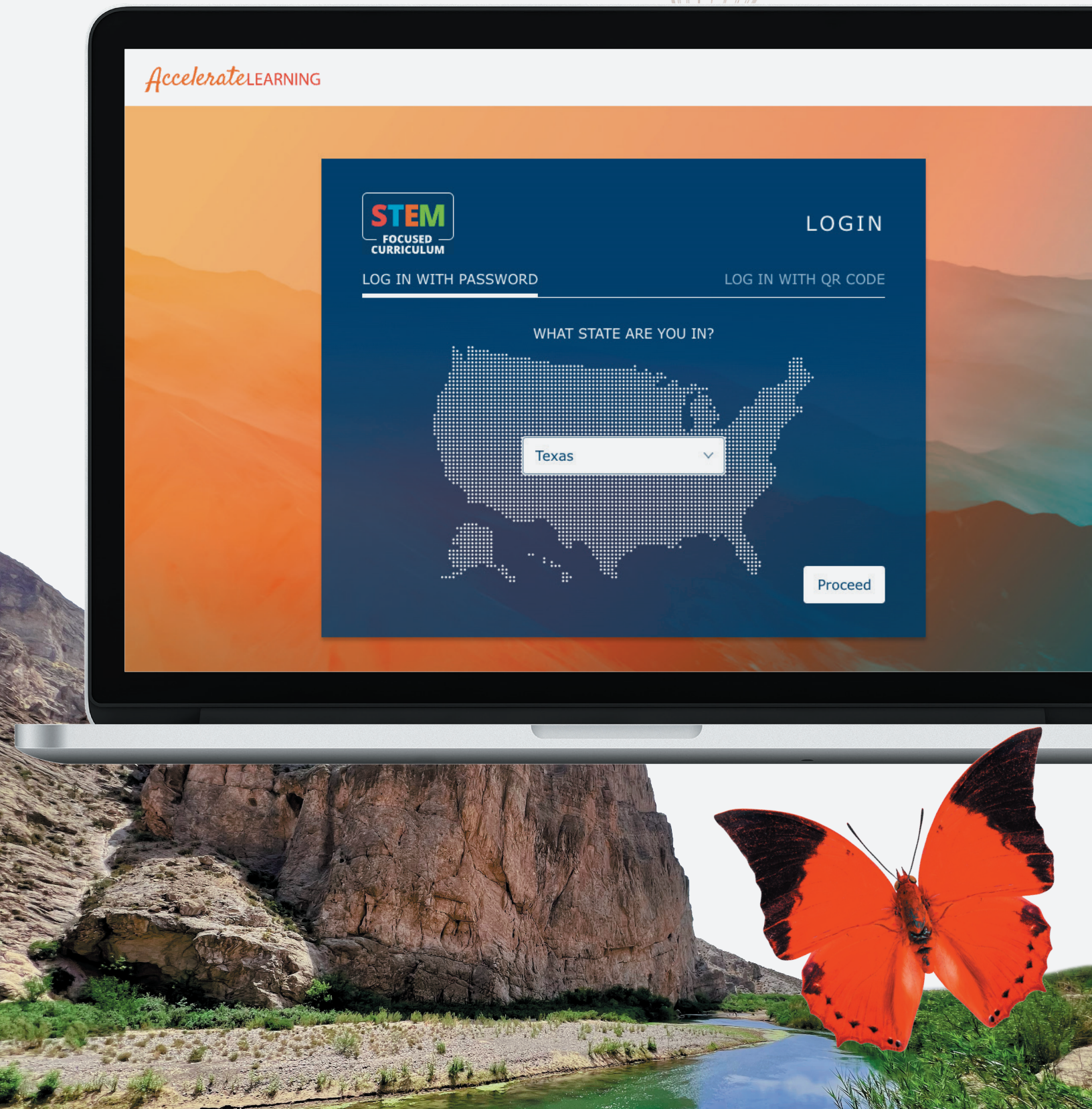
DIGITAL Texas Navigation Guide
BIOLOGY, CHEMISTRY, INTEGRATED CHEMISTRY & PHYSICS, PHYSICS

Designed for the 2024 Texas Essential Knowledge and Skills (TEKS) and based on the 5E instructional model, STEMscopes Texas transforms and re-energizes science classrooms through hands-on, research-based strategies and literacy-integrated experiences. Our Scopes and resources for high school are designed to empower teachers and students, foster a lifelong passion for science, and prepare students to lead in STEM careers.

Login Page

https://stem.acceleratelearning.com

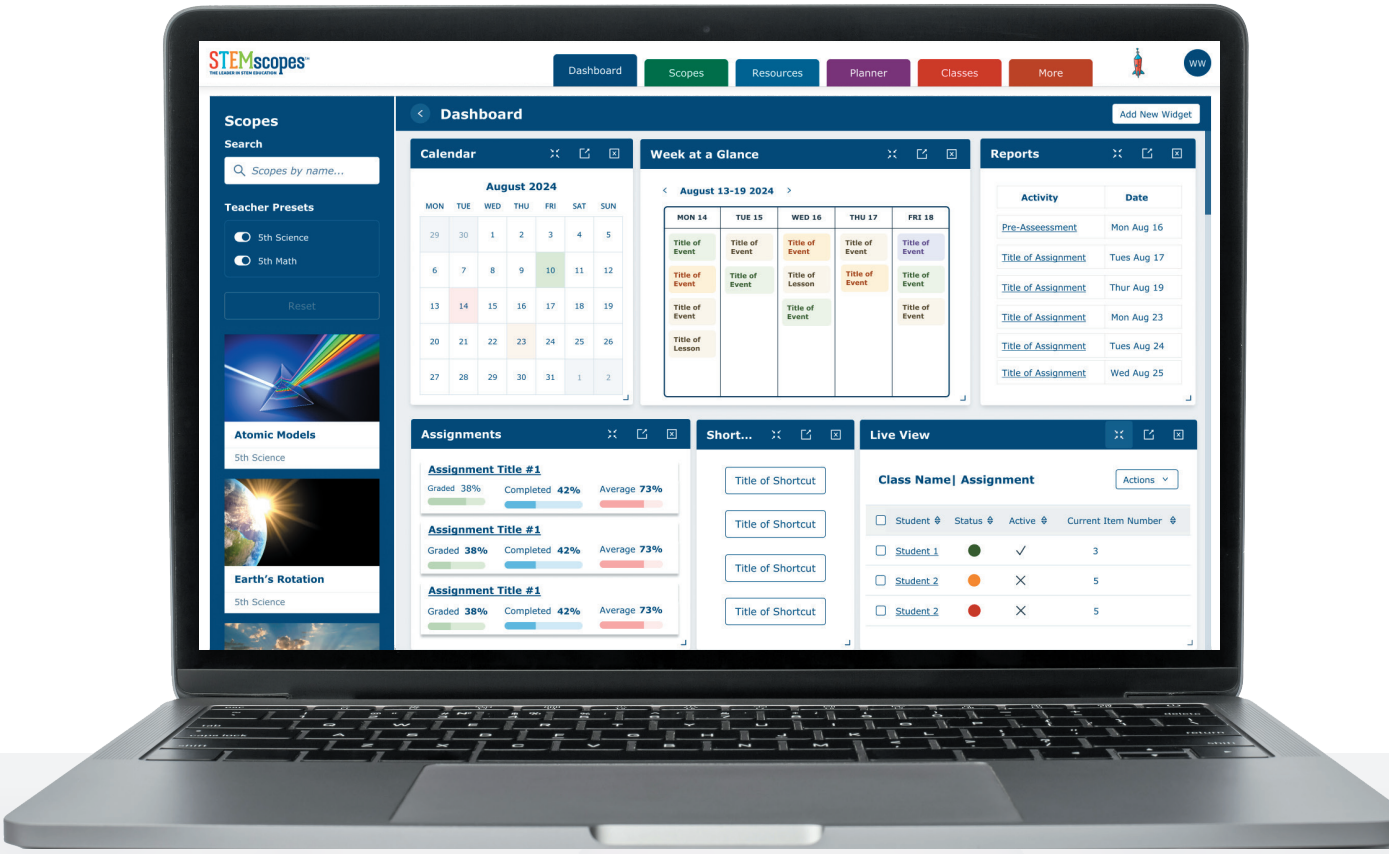
Follow the prompts to access the digital platform. Go to info.acceleratelearning.com/texas-adoption for your district's login credentials.

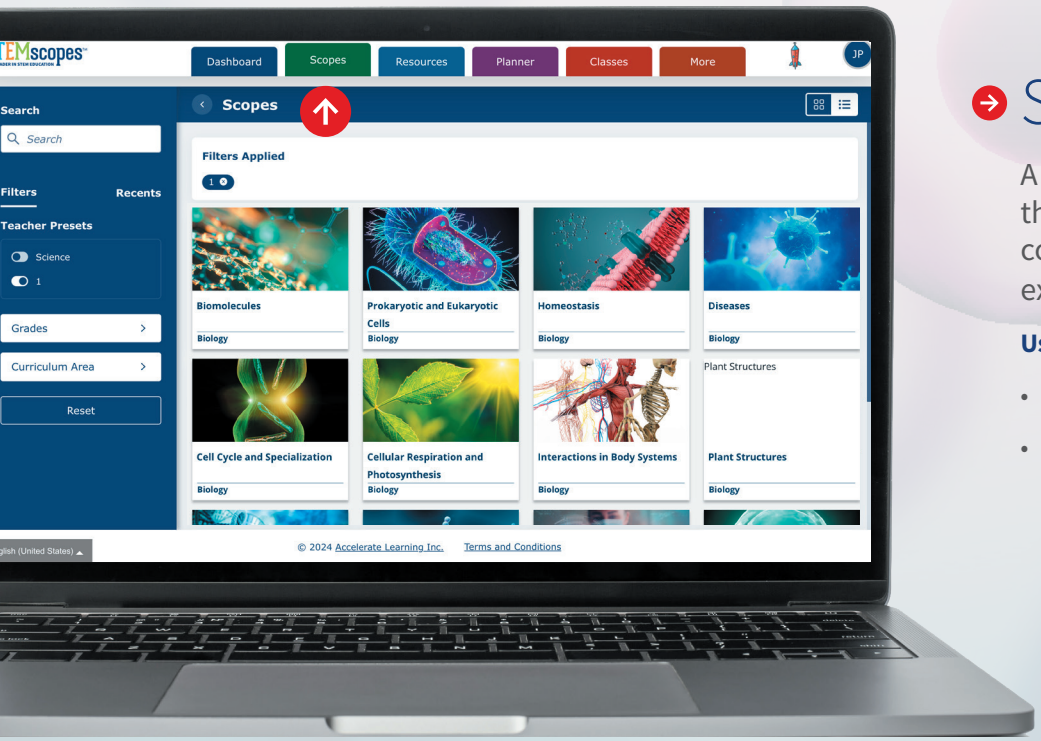


Dashboard Navigation

Welcome to your user dashboard!

Easily access all STEMscopes Science Texas content by using the tabs at the top of the screen.
Start with the Scopes Tab!





Scopes

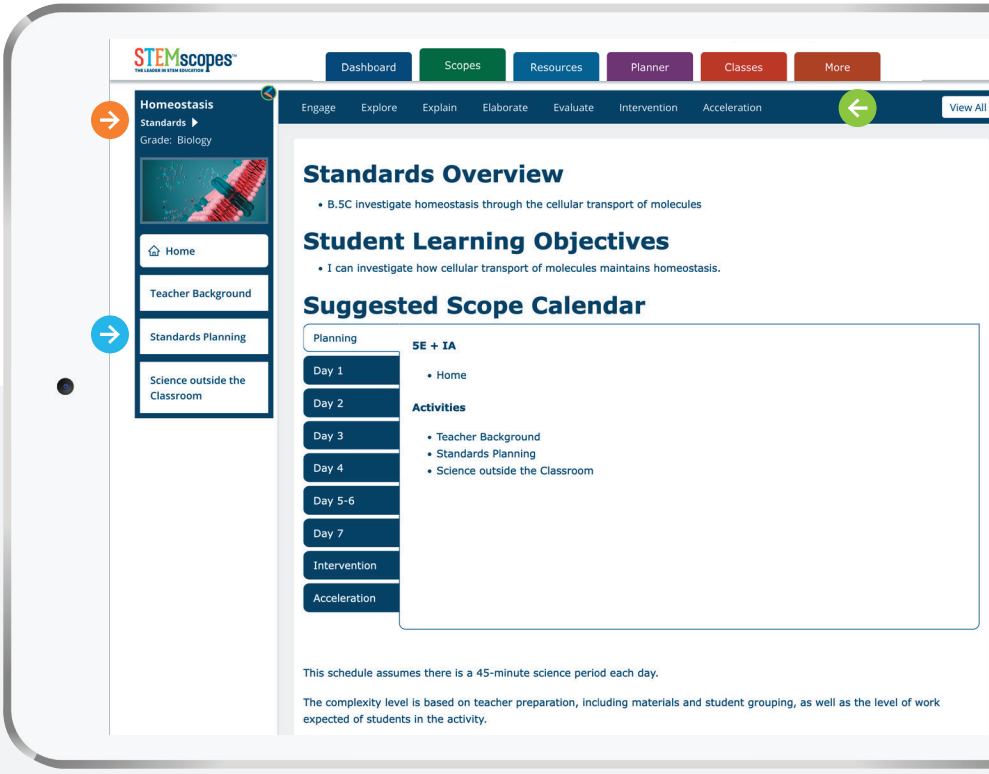
A Scope is a collection of lessons that are designed to present content through different learning experiences.

Use the filters in the column on the left to:

- Filter Scopes by grade
- Access Scopes that you recently viewed

Inside a Scope

To go inside a Scope and access all its content, simply click on the Scope tile.



Scope Overview

The Scope Overview (featured above right) provides educators with needed lesson essentials. Here, you can easily access a Standards Overview, Student Learning Objectives, Suggested Scope Calendar, and spiraling opportunities with other Scopes.

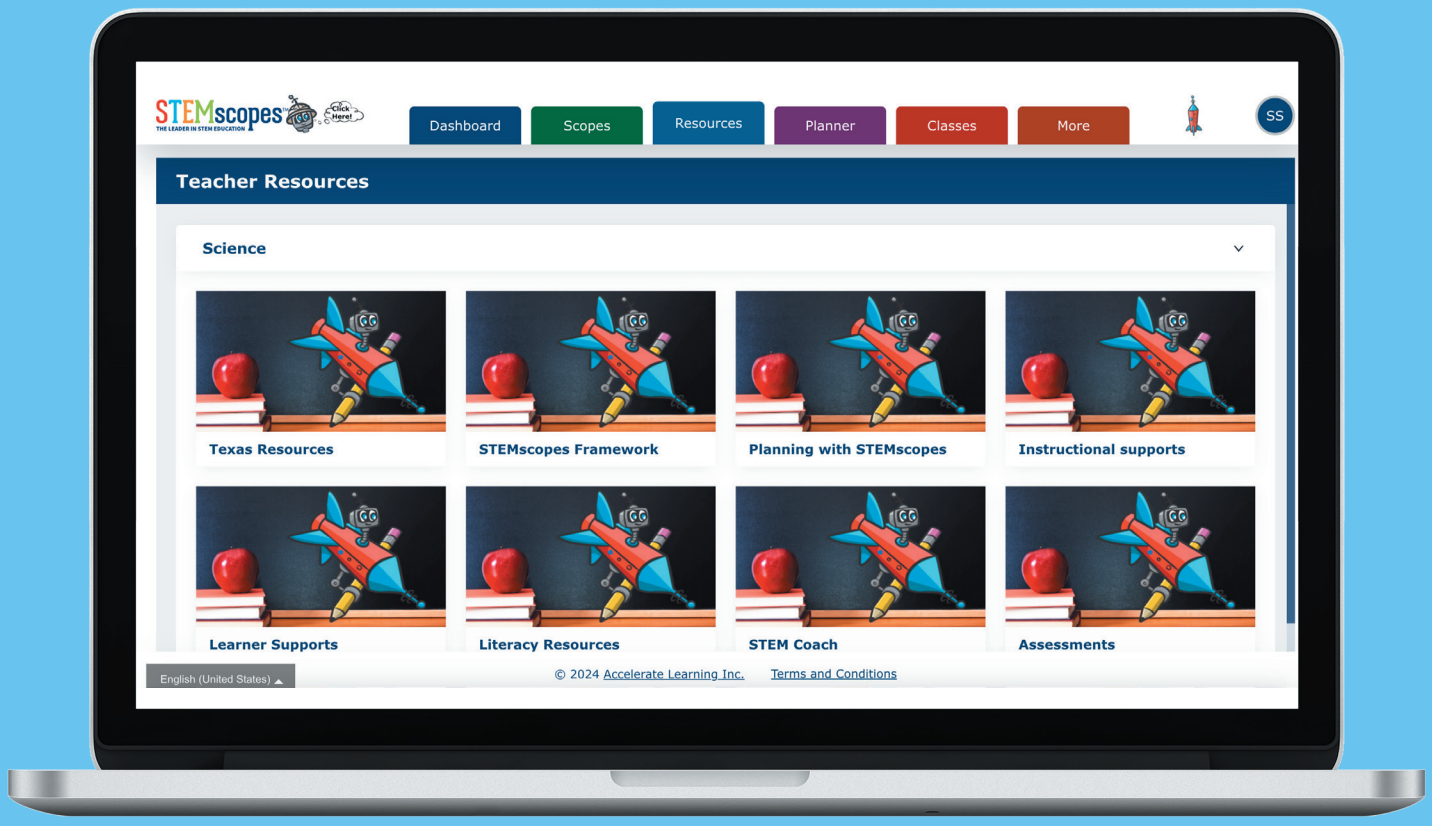
Scope Resources

Teachers can start by reading the Teacher Background to review and understand the level of science content knowledge needed for the Scope. It also prepares teachers to use the appropriate academic vocabulary when teaching a particular science concept. The Standards Planning section identifies the Texas Essential Knowledge and Skills for science and the RTCs and SEPs addressed in the Scope.

Navigation Bar

Utilize the blue bar at the top of the Scopes Overview page to easily navigate to the different, research-backed elements of our 5E + IA model.

- **Engage** – Hook your students with captivating Scope phenomena and Access Prior Knowledge through pre-assessments.
- **Explore** – Students build their understanding through extensive hands-on, inquiry-based science investigations. All Explore resources, even our new virtual simulations and Interactive Science Notebook pages, enhance the student learning experience.
- **Explain** – Students connect hands-on learning to science content with resources like their Interactive Science Notebook and STEMscopedia. Also, the Pulse Check can be accessed in Explain, this mid-Scope formative assessment gauges student learning before moving onto other activities.
- **Elaborate** – Here teachers can access numerous opportunities to extend student learning using STEM activities, as well as reading, writing, and real-world applications.
- **Evaluate** – Utilize Claim-Evidence-Reasoning assessments and a Scope Assessment to test the knowledge gained after completing the activities in the Engage, Explore, Explain, and Elaborate sections of the scope.
- **Intervention** – Teachers can support students with activities designed to provide small-group instruction, then reassess their progress with a Concept Attainment Quiz.
- **Acceleration** – Unique enrichment opportunities push all students beyond the boundaries of the lesson material and challenge their thinking. Check out the STEM Choice Board!
- **View All** – Change your view preference with one click!



Resources

To access teacher resources, click on the blue Resources tab at the top of the page.

Resources include:

- **Texas Resources** – Educators can access resources on Standards Alignment, home-school connections with a Parent Letter, Research, and Navigation Videos in this tab.
- **STEMscopes Framework** – Teachers can learn more about the 5E+IA Instructional Model that empowers both educators and students through the use of research-based best practices and strategies.
- **Planning with STEMscopes** – Teachers can prepare in little time using resources like Suggested Scope Order.
- **Instructional Supports** – Students engage in authentic problem-solving with tools that help address scientific and engineering practices and recurring themes throughout the content.
- **Learner Supports** – Teachers can differentiate for all learners in the classroom with resources like our Tiered Intervention and Language Support Strategies.
- **Literacy Resources** – Teachers can support students' reading comprehension and academic vocabulary with this collection of literacy tools.
- **Assessments** *Coming Soon!* – We can't wait to share our assessment bank, which will reflect assessment blueprints from the state. These will include Beginning of the Year and End of the Year Assessments, as well as released STAAR questions.

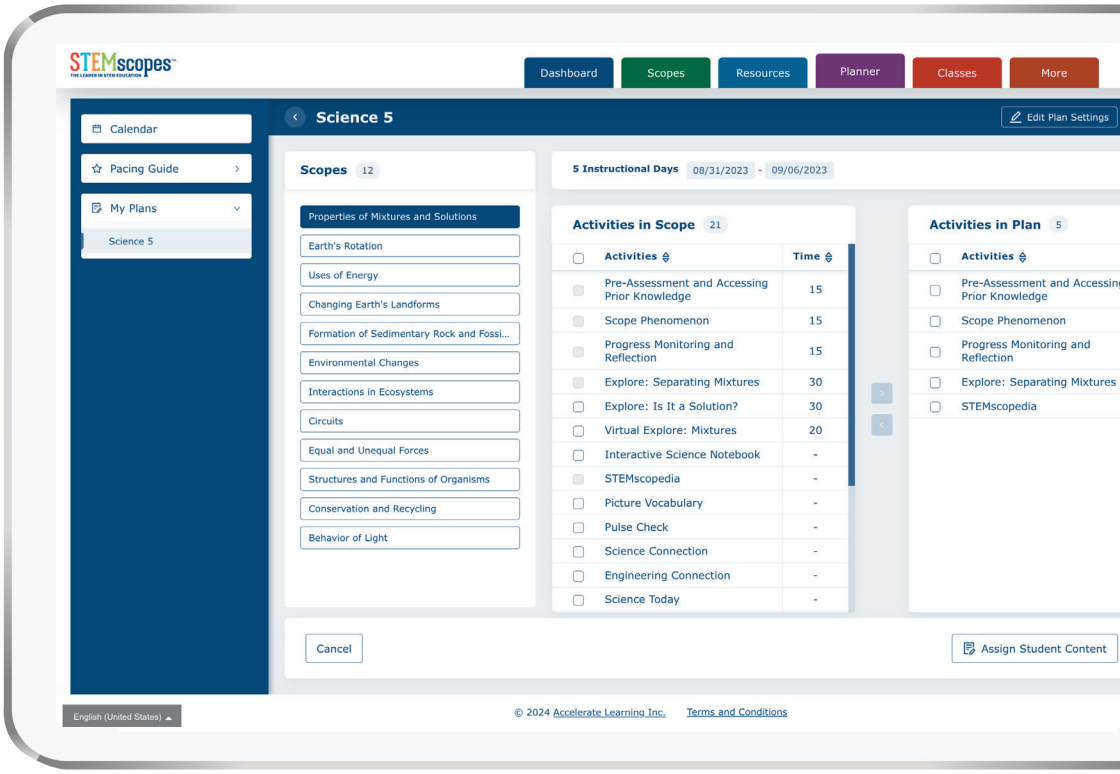
Easily jump to different resource pages within a section by using the drop-down on the top right-hand side of your screen.

Planner

The Planner tab houses interactive planning resources.

Resources include:

- Calendars
- Pacing Guides
- My Plans

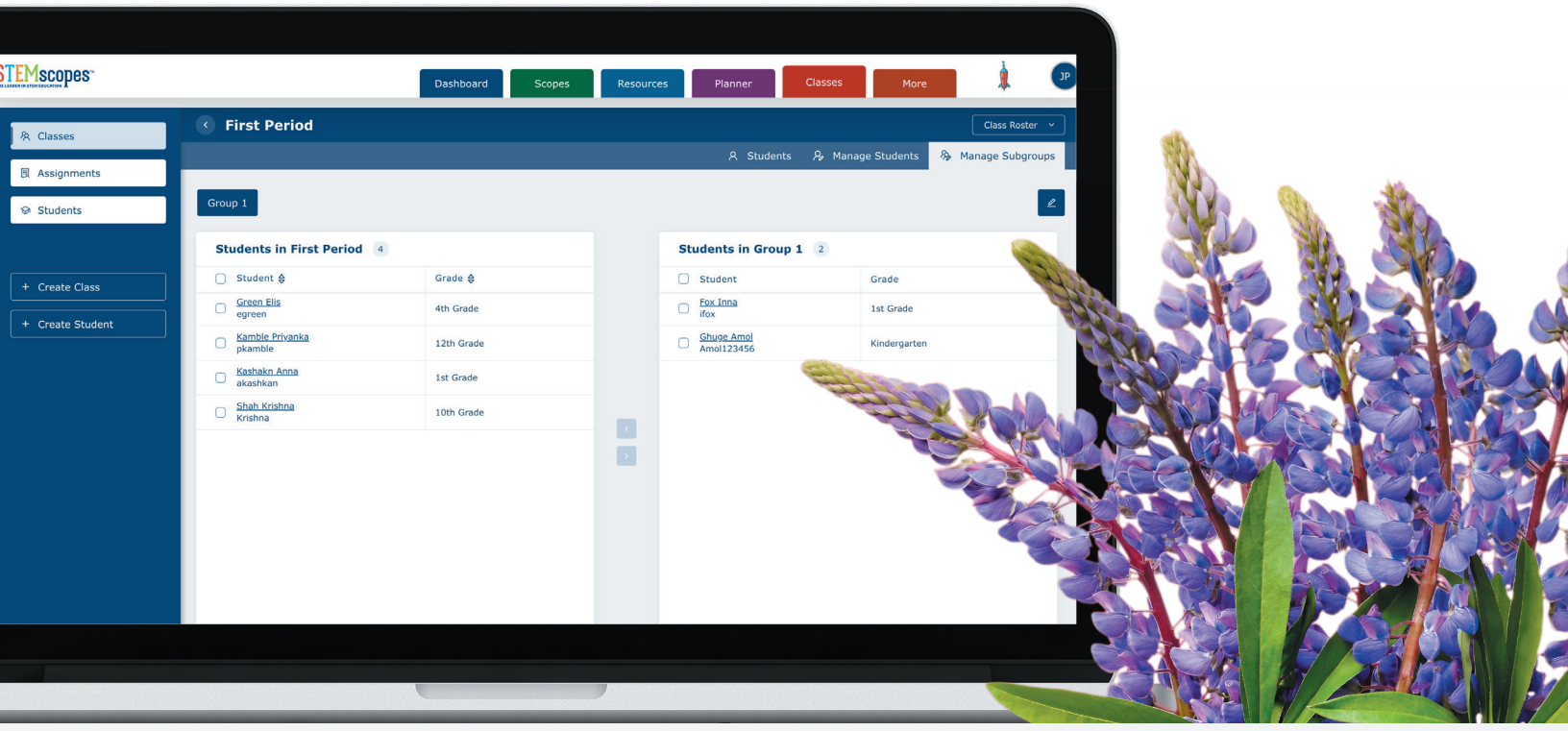


Classes

Create and access your Classes, Assignments, and Students.

Additional features in this tab include:

- Impersonate Student - Log in as any student to view their platform and assignments.
- Manage Subgroups - Create and manage student subgroups to easily differentiate and add assignments by groups.



Visit AccelerateLearning.com/explore-tx to see first-hand how STEMscopes Science Texas elevates instruction and learning across the Lonestar state.

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learn more at **AccelerateLearning.com/explore-tx**