

# twig SCIENCE

## Phenomena-Based K–5 Science

Twig Science Utah motivates, engages, and excites students through multimedia investigations that bring science and engineering to life. It encourages the development of skills to succeed in college and careers—critical thinking, problem-solving, designing solutions, and creative collaboration.

Designed in collaboration with Imperial College London and SCALE Science at WestEd (previously known as Stanford University's Stanford Center for Assessment, Learning, and Equity), Twig Science's comprehensive K–5 curriculum builds on the principles of three-dimensional learning—incorporating Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts—as students are introduced to the wonders of phenomena.

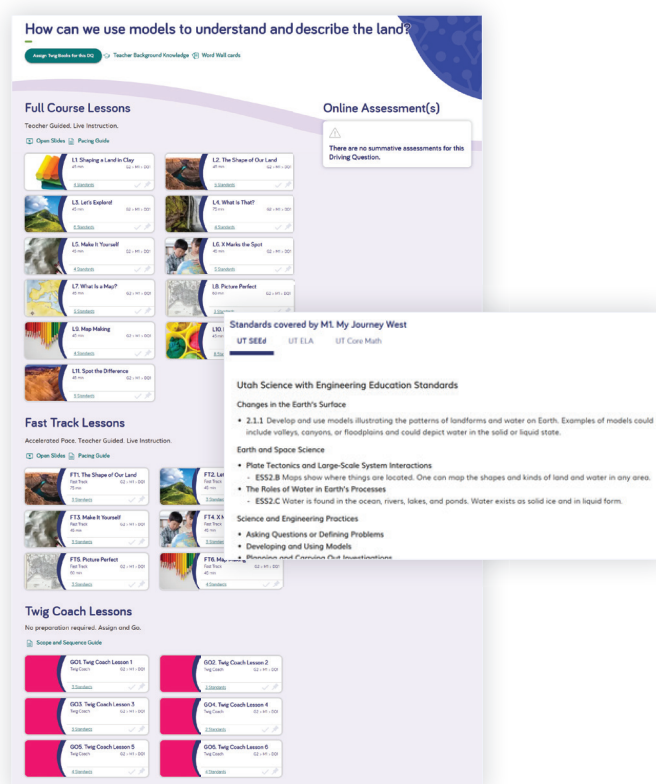


## HQIM aligned to Utah Standards

Twig Science Utah is built for 3-Dimensional learning and aligned to the Utah Science with Engineering Education standards for grades K–5, ensuring teachers and students hit every standard as they journey through awe-inspiring STEM adventures.

### Twig Science Utah includes:

- Full standards alignment for K–5
- Correlations to standards at the module and lesson level
- Customized digital platform aligned to Utah SEEd standards
- Multiple lesson types: Full Course, Fast Track, Leveled Reader, and Twig Coach
- Integrated literacy support and instruction



# Benefits of Twig Science

## STEM-Role Investigations

Hands-on, digital, and video investigations provide captivating real-world experiences in dozens of STEM roles—from park rangers and earthquake engineers to deep-space explorers and time-traveling tour guides.

## Award-Winning, Theater-Quality Videos and Interactives

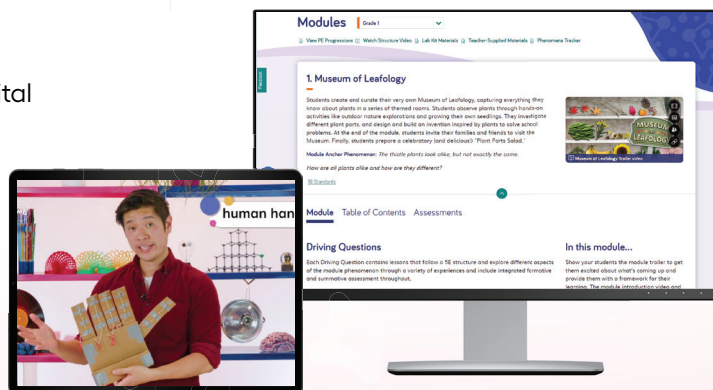
Twig Science includes thousands of cutting-edge videos and digital interactives, built on authentic data, letting students experience and manipulate real-world phenomena and see instant results.

## Hands-On Investigations

Twig Science's hands-on activities accurately incorporate the practices of real-world scientists and engineers, encouraging collaboration, reflection, and communication.

## 3-D Assessment

Twig Science has partnered with SCALE Science at WestEd (previously known as Stanford University's Stanford Center for Assessment, Learning, and Equity) to develop an innovative 3-D assessment system in which students demonstrate thinking, knowledge, and practices to unpack phenomena and solve design challenges.



## Access and Equity

Twig Science provides English Learner, Spanish, and special needs supports, as well as Below-Level and Honors/Above-Level supports, via scaffolding sidebars within lessons (print and digital).

### English Learners

EL sidebars provide strategies for teachers to support ELs of all proficiency levels, with specific guidance on how to tailor the lesson to accommodate ELs.

### English Learners

EL sidebars provide point-of-use strategies for helping students develop their command of oral and written English.

### Special Needs Support

These sidebars offer point-of-use strategies for tailoring activities and learning points to accommodate special needs students of all backgrounds and abilities.

### Below-Level Support

Modifications to support students lacking the prior DCIs or SEP/CCCs needed to access the task.

### Honors/Above-Level Extensions

Opportunities for extended tasks aimed at honors and GATE students.

### Comprehensive Spanish Support

Spanish resources include: digital platform, Teacher Editions, Student Twig Books, and more than 900 videos.



Learn more  
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