

## Phenomena-Based K-8 Science

Twig Science presents phenomena-based, three-dimensional learning customized to the New Mexico STEM Ready! Science Standards. It provides supports for culturally and linguistically diverse learners and is the only program to be recommended for adoption and be recognized as culturally and linguistically relevant in eight of the nine grades by the New Mexico review committee.

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-8 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.

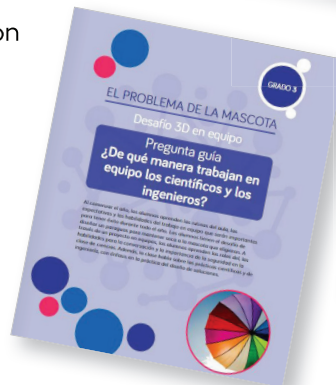
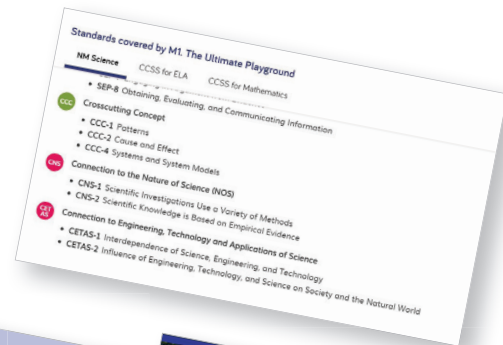


## Alignment to New Mexico Standards

Twig Science New Mexico is aligned to the New Mexico STEM Ready! Science Standards, ensuring teachers and students hit every standard as they journey through engaging and authentic STEM adventures.

### Twig Science New Mexico includes:

- Full standards alignment for K-8
- Correlations to standards at the module and lesson level
- Content aligned to the NM STEM Ready! Science standards
- Multiple lesson types: Full Course, Fast Track, Leveled Reader, and Twig Coach
- Integrated literacy support and instruction
- Choice between an Integrated or a Discipline Specific version for Middle School
- Available in English and Spanish



# 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

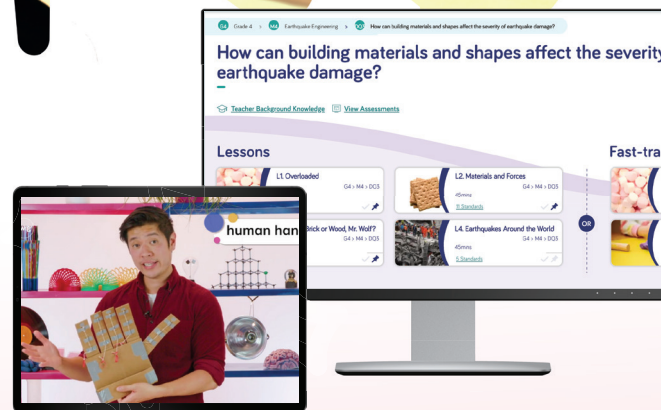
Twig Science includes thousands of cutting-edge videos and digital interactives, built on authentic data, letting students experience and manipulate real-world phenomena and see instant results.

## 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 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 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.

### Standard English Learners

Sidebars provide point-of-use strategies for helping students develop their command of oral and written Standard English, a component of ELD standards.

### 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.



Scan to learn more