



California Science Techbook

Grades 6-8 | Integrated

Available in Spanish and English



This comprehensive science curriculum will change the way your students experience science with a powerful blend of dynamic digital, interactive print and immersive experiences.

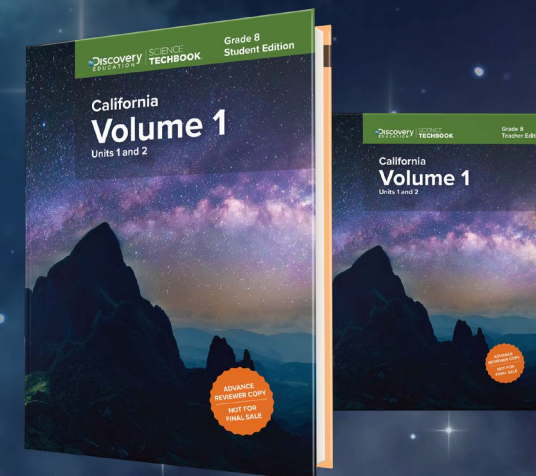
Included with your premium package



A vetted bank of over 180,000 curated cross-curricular resources



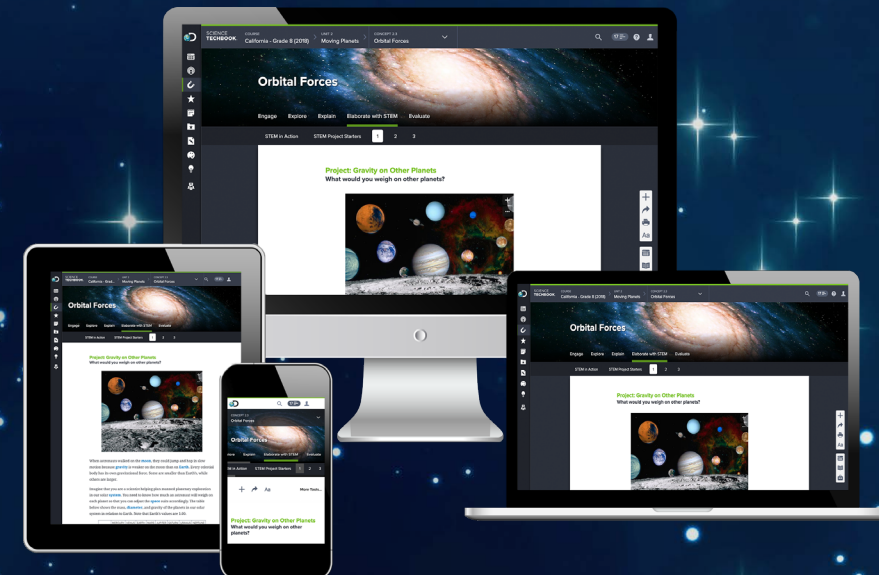
An interdisciplinary K-8 STEM resource designed to enhance core curriculum



Grades 6-8 Student and Teacher Print Editions



Hands-On Kits



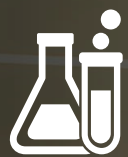
Grades 6-8 Student and Teacher Digital Editions



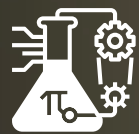
Authentic
Spanish



Print



Hands-On
Kits



STEM



Inclusive



Digital



CA NGSS



CAST Aligned
Assessments



Teacher
Support



3-Dimensional
Learning

Inspire students to investigate the marvels of science

Ignite natural curiosity with **exciting content** that leverages what students love to explore the innerworkings of the world around us.

Activate their inner explorer with **immersive hands-on activities** and **rich interactive resources** that will get them thinking and acting like scientists.

Strengthen science and engineering practices as they develop solutions to **real world challenges**.

Build important skills that will allow students to navigate the planet more successfully.

Unlock the Power of Discovery

Discovery Education brings a variety of highly engaging educational content from partners like **MythBusters, NBA, Lockheed Martin, Shark Week, MLB and Street Science** into our K-12 services. This ever-growing collection offers resources that **mirror the unique interests of students**, helping them make relevant and lasting connections between science and their everyday lives.



MYTHBUSTERS



STREETSCIENCE



No permission slips required

Take your students beyond the classroom walls and into some of the world's most iconic locations with our vast collection of Virtual Field Trips.

SHARK WEEK

... Dive into brand-new Shark Week programming and curriculum-aligned lesson starters to fortify STEM concepts, investigate ocean and species conservation, and explore career connections.

It's more than what you learn, it's how you learn it.

Meet the needs of every learner and change the way they experience science with a powerful blend of **dynamic digital**, **interactive print** and **hands-on kits**.

Built for California, this curriculum is **designed to work in unison**, so students can move seamlessly between resources to explore content and experience **3D learning**.



Built For Every California Classroom

Grade 6-8 Integrated

Print, Digital and Hands-On Kits

Available in Spanish and English

Grades 6-8 Integrated Course Framework

Units are written to the California NGSS instructional segments.

California Grade 6

UNIT 1

Systems on Earth

- 1.1 Body Systems
- 1.2 The Cell as a System
- 1.3 Earth's Interacting Systems

UNIT 2

Causes of Weather

- 2.1 Energy Transfer in the Water Cycle
- 2.2 Weather Patterns

UNIT 3

Causes & Effects of Regional Climates

- 3.1 Creating Climate Regions
- 3.2 Environmental & Genetic Influences
- 3.3 Reproductive Success
- 3.4 Heredity

UNIT 4

Our Changing Climate

- 4.1 Causes of Climate Change
- 4.2 Climate Change Impacts Organisms
- 4.3 Reducing Human Impacts on the Environment

California Grade 7

UNIT 1

Matter All Around

- 1.1 Particles in States of Matter
- 1.2 Energy and Changing States
- 1.3 The Composition of Matter

UNIT 2

Matter Cycles and Energy Flow

- 2.1 How Matter Can Change
- 2.2 Matter and Energy in Living Systems
- 2.3 Formation of Rocks

UNIT 3

Earth's Resources and Ecosystems

- 3.1 Earth's Moving Surface
- 3.2 Earth's Natural Resources
- 3.3 Interactions in Ecosystems

UNIT 4

Sustaining Ecosystems

- 4.1 Mass Wasting
- 4.2 Synthetic Materials
- 4.3 Human Impact on Ecosystems

California Grade 8

UNIT 1

Objects Move and Collide

- 1.1 Falling Objects
- 1.2 Energy for Launch
- 1.3 Colliding Objects

UNIT 2

Moving Planets

- 2.1 Observing Planetary Objects
- 2.2 Planetary Forces
- 2.3 Orbital Forces
- 2.4 Energy in the Universe

UNIT 3

Life's Unity and Diversity

- 3.1 Earth's History and the Fossil Record
- 3.2 Evolution and Natural Selection
- 3.3 Evidence for Evolution
- 3.4 Modifying Organisms

UNIT 4

Monitoring Biodiversity

- 4.1 Nature of Waves
- 4.2 Waves and Matter
- 4.3 Warming Earth
- 4.4 Remote Sensing
- 4.5 Sustaining Biodiversity

Supporting educators every step of the way... all at their convenience and comfort level.



Professional Learning Center

The PLC offers a **variety of rich resources** to ensure you are getting the most from your Discovery Education services available on-demand 24/7.

- Step-by-step guides
- Interactive courses
- Easy-to-use strategies



DEN Community

The DEN Community offers one of the most **thriving professional learning network** in the world.

- Shared ideas and resources on-demand
- Professional learning experiences
- A network of educators, ready to collaborate



Point-of-Use Instructional Support

Access resources and **support right when you need it.**

- Model lessons and planning resources
- Embedded teacher notes
- Remediation and acceleration strategies
- Hands-on activities

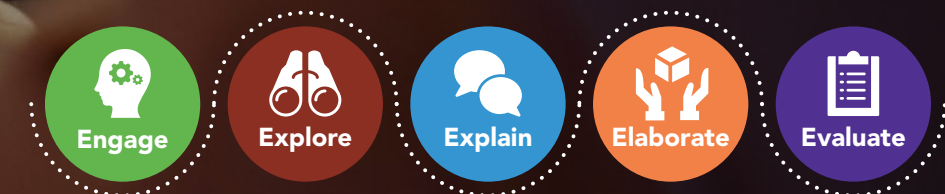
Explore The World In 3 Dimensions

Each unit in Science Techbook aligns to instructional segments and storylines in the California NGSS framework.

- Units are launched with **anchor phenomena** to inspire students to ask questions and make connections.
- Concepts are launched with **investigative phenomena** to allow students to dig deeper and apply what they know.
- Students are better prepared for success with **performance-based assessments** directly mirror the **CAST**.
- Embedded **digital and printed teacher editions** support CA NGSS integration.

5E Instructional Model

Discovery Education Science Techbook uses the research-based 5E teaching sequence – which includes Engage, Explore, Explain, Elaborate, and Evaluate to guide instruction and support students explore and experience 3D learning.





Access and Equity for all Students

California Science Techbook has been built to support the unique needs of every learner so they can actively experience the magic of science.

- Engage all learners with interactive resources and **multimedia, Spanish/English options, adjustable reading levels and read aloud tools**.
- Offer support for **emerging, expanding and bridging** with point-of-use EL tools, including **speak-to-text**, constructed around the ELD standards.
- Accelerate or remediate instruction with **embedded differentiation tools** and a **real-time data dashboard**.

Differentiation At Your Fingertips

Included with your premium package, you have access to a vetted bank of over 180,000 curated cross-curricular resources with Streaming Plus.

Real World STEM In Action



Certified by the Global STEM Alliance, this resource collection builds context and drives understanding of science

concepts, providing students with opportunities to produce creative solutions to real-world problems and make relevant career connections.



1. Challenge



2. Design



3. Solve



4C STEM Skills



Across Subjects
& Grades



Real World
Challenges



Hands-On
Activities



Literacy Infused



Global STEM
Solution Seekers



Career
Connections



Local Connections

Discovery EDUCATION | STEM CONNECT

Your premium package includes full access to Discovery Education STEM Connect, an interdisciplinary K-8 resource that enhances core curriculum. Through the Stanford Design Thinking process, students will develop and apply knowledge and skills to important real-world challenges.



It's an amazing world. Explore it.

Begin your journey. Simply log into Discovery Education to review the content and functionality of California Science Techbook.

Log into [DiscoveryEducation.com](https://www.discoveryeducation.com)

Teacher View

Username: CASciTeacher
Password: discovery

Student View

Username: CASciStudent
Password: discovery