



SCIENCE TECHBOOK

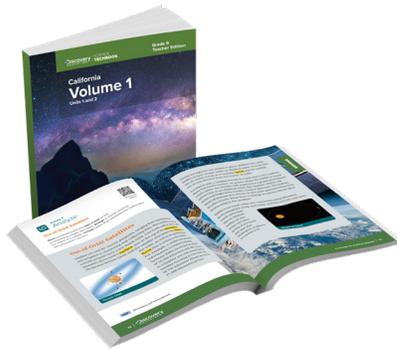
California NGSS Elementary



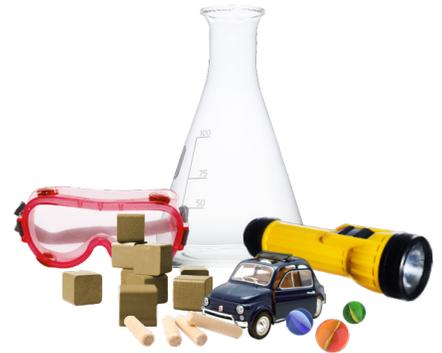
Quick Start Guide



Science Techbook



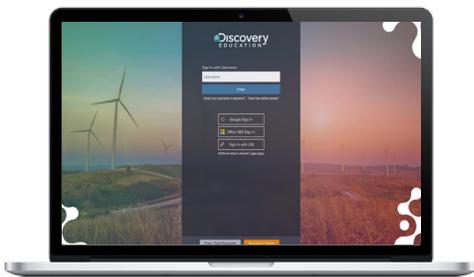
Print Student & Teacher Editions



Hands-On Labs

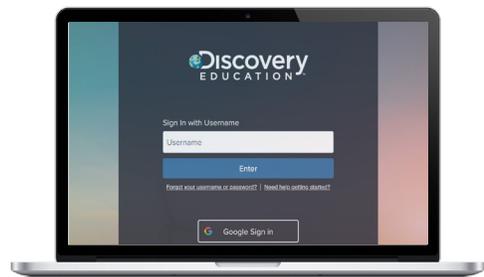
Log In to Discovery Education

Go to **DiscoveryEducation.com** and click the login button at the top of the screen. Enter your login credentials to start exploring.



Username:
CASciteacher

Password:
discovery

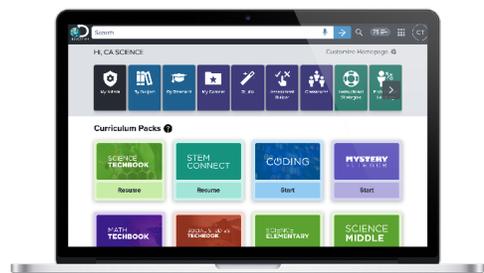


Welcome to the Discovery Education California Science Experience

The Discovery Education California *Science Experience* is a world-class core curricular suite including print and digital editions available in English and Spanish, hands-on-kits, collaboration and creation tools, award-winning digital resources, and on-demand professional development. This guide will walk you through quick navigation steps to support your preview.

Discovery Education Experience

When you first log in, you enter into your MY DE page. With access to more than 200,000 resources, you can enrich your classroom with captivating content that has been curated into collections. This ever-growing library of relevant content brings excitement and relevancy to the topics you teach so all students have opportunities to unlock their true potential.



California Science Techbook

Science Techbook is an engaging, comprehensive learning experience designed to support three-dimensional teaching and learning. *Science Techbook* follows a coherent and logical storyline approach. Each unit is anchored with a real-world phenomenon, inspiring students to ask the questions they want to investigate. Each concept launches with investigative phenomena to build critical understanding of the underlying science concepts. Students dig deeper as they move through the 5E instructional model. Students make sense of the phenomena and develop Science and Engineering Practices through a variety of activities, including an emphasis on Hands-On Labs and designing solutions to problems. At the end of the learning progression, students engage in performance-based projects, tasks, and assessments demonstrating their use of the three dimensions. You can access Unit Storylines digitally and in your Teacher's Edition.



Print Teacher Edition

STEM Connect

In addition to *Science Techbook*, you also have access to *STEM Connect*. Aligned to California academic standards, Discovery Education's award-winning *STEM Connect* is an interdisciplinary resource that enhances the core curriculum and brings STEM to life in classrooms. Access *STEM Connect* by clicking into the *STEM Connect* tile on your MY DE page.

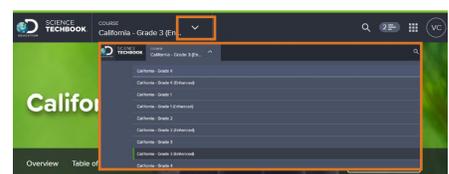
1 Choose **Science Techbook**

- Click on *Science Techbook* from the menu of options.
- As you open your print editions, be sure to note the "front matter" material in the Teacher Edition that provides additional details.



2 Select a **Course**

- Choose your course from the drop-down menu at the top of the screen by selecting the grade and (Enhanced) course from the dropdown.



3 Access Course Resources and Select a Unit

- Note the grade level planning resource tabs that include the following in **Course Materials**:
 - » California Environmental Principles and Concepts Map
 - » Parent Letter
 - » Assessment Cycle Design
- Scroll through the Units you wish to review and click **View Unit**.



Print Teacher and Student Editions

4 Anchor Phenomenon and Unit Assessment

- Each Unit launches with an engaging Anchor Phenomenon that drives three-dimensional learning. Students begin the unit asking questions and then investigate to answer their questions.
- Each Unit concludes with a CAST-like Performance-Based Unit Assessment eliciting student's use of the three dimensions.
- As you scroll through the Unit Overview, choose a Unit Concept and select **View Concept**.



Engaging Media



Print Teacher Edition

5 Explore (Learn) the Concept

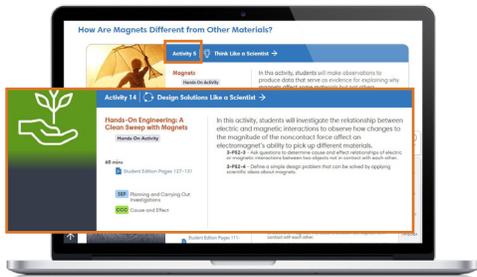
- Each Concept follows the 5E instructional model in a Wonder, Learn, Share lesson cycle. Note the three tabs for Wonder, Learn and Share, plus two additional tabs, Intro and Beyond.
- The toolbar on the right side of the screen houses the Teacher View toggle. When Teacher View is turned off, content will appear as a student sees it. To view teacher instructional notes and resources, Teacher View must be on.
- The Intro tab previews the Can you Explain? question, as well as Student and Teacher Learning Objectives, Key Vocabulary linked to the Interactive Glossary, and Standards addressed in the Concept. As you scroll down, you will also find teacher supports such as pacing, content background, literacy connections, and optional additional readings.



Digital Teacher Planning Resources



Print Teacher Edition

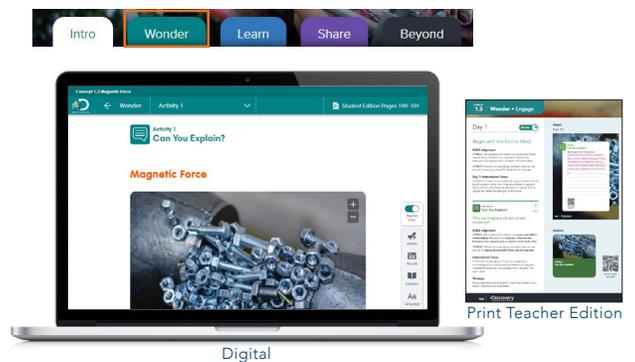


Organized by Activity for Ease of Use

Each learning opportunity is identified by an activity number that corresponds to the same activity in the print. Each activity box provides a **description**, **individual timing**, **links** to the printed student edition, and callouts for **DCI's**, **SEP's**, and **CCC's**.

6 Wonder

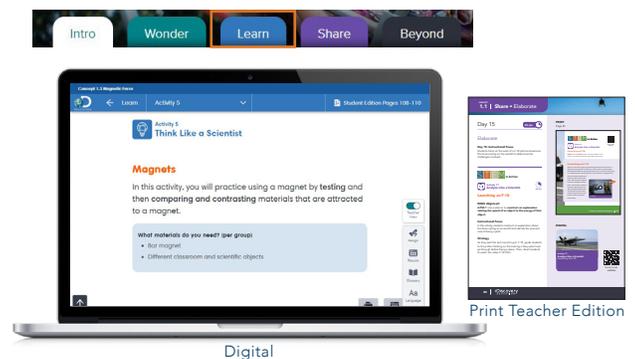
Each Concept begins with Investigative Phenomena and a Can You Explain? question as catalysts for the inquiry process, triggering students' natural sense of curiosity and wonder.



Digital

7 Learn

Providing engaging experiences to inspire scientific learning, Learn features text and interactive resources to help students test predictions, collect evidence, and record observations and ideas. Learn also contains digital models and Hands-On Activities, providing opportunities for students to design solutions to problems and apply what they have learned.



Digital

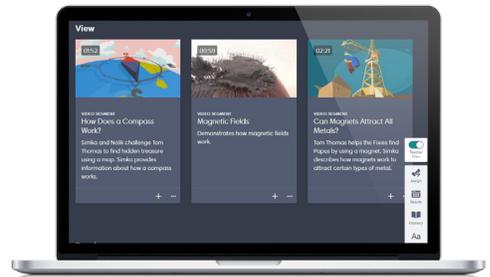
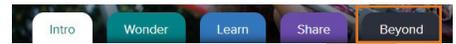
8 Share

- Share provides students with opportunities to demonstrate learning through activities focused on Claim, Evidence, and Reasoning. Students also problem-solve with STEM specific activities that connect to real-world career opportunities
- Each Concept concludes with multiple options for Concept-Level Summative Assessments including Performance-Based assessments that mirror the CAST. Be sure the teacher view toggle is on to view the Concept-Level Summative Assessments.
- The Unit Project, located in the Share tab of the last Concept of the Unit, provides additional opportunities for students to make sense of phenomena, demonstrate learning, and design solutions to real-world problems.



9 Differentiating the Experience

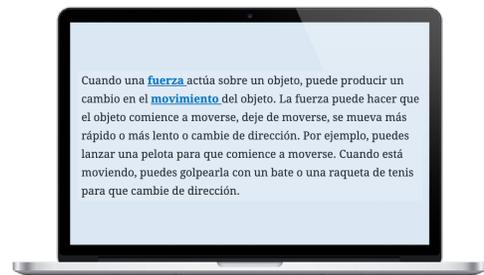
- Save time when planning for differentiation. Click into the Beyond tab to access additional curated instructional content, including more Videos, Reading Passages, Interactives, and editable Hands-On Labs connected directly to the Concept Resources are organized by category and can be used for differentiation, projects, or remediation, and are organized by category.
- If additional content is needed, the Search Bar will take you to the more than 200,000 assets in Discovery Education Science Experience.
- All Core Interactive Text includes multiple differentiation options to support students. Found in the right-hand toolbar, these options include text size, two Lexile reading levels (A & B), and the ability to toggle to Spanish. To access these tools, click Aa () on the Toolbar, and select your Lexile or language. Students also have the ability to translate Techbook into more than 100 languages through Google Translate. All core videos found within an Activity also translate to Spanish when you use the **Language** option on the Techbook toolbar!
- Other tools for access include text-to-speech, color-coded highlighting, and note-taking tools. To access these features, select the text you want to highlight and a bar with options will appear.
- The Toolbar also provides:
 - » A vocabulary glossary with animations, videos, and images and Immersive Reader
 - » Multiple print and sharing options
 - » A student notebook that stays with the student for the life of the adoption
- Students can represent their scientific explanations and other product creations in multiple ways, such as uploading media using our collaborative Studio creation tool which incorporates Immersive Reader functionality. Teachers can design differentiated lessons or search and utilize more than 1000 editable grab-and-go lesson plans in Studio.



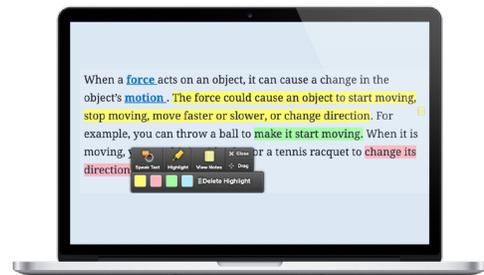
Beyond Tab



Experience Search Bar



Toolbar



Studio Creation Tool

