



# SCIENCE

**Indiana**  
High School

**Reviewer Guide**

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# Program Overview

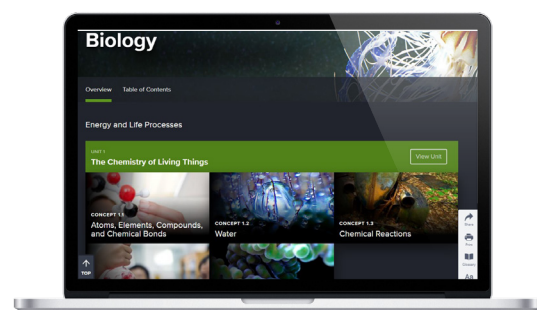
## Indiana Science for High School

The Discovery Education Indiana Science for High School program is a complete, blended solution that is fully aligned to the Indiana Academic Standards for Science, and inspires students to investigate real-world phenomena, as well as build, design, and think deeply about science and engineering practices.

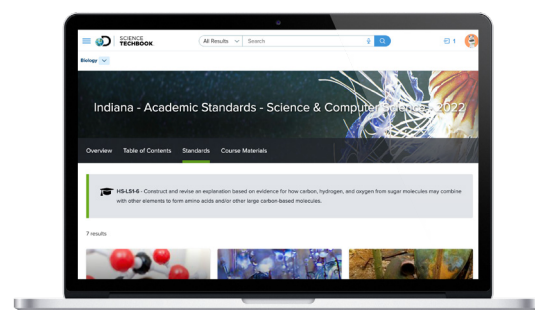
It provides teachers with tools and flexible resources to effectively implement and assess three-dimensional learning, including literacy connections, model lesson plans, ready-to-use strategies, and a global network of educators.

## Fully Aligned to the Indiana Academic Standards for Science

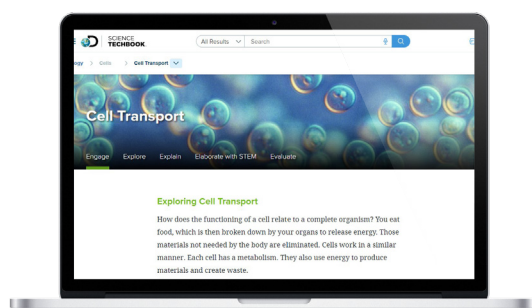
To help teachers address the science standards in their instructional practice, the Discovery Education Indiana Science for High School program is fully aligned to the Indiana Academic Standards for Science.



Located under the Standards tab, they are listed in their entirety as active links.



The links take you directly to the section within the program that covers each standard.

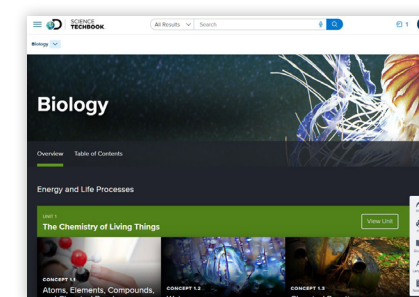


Simply by selecting Go To Your Course or View Search Results, you can go directly to the concept within Science Techbook or utilize a wealth of other resources that cover the applicable standard.

# Science Techbook Overview

Science Techbook by Discovery Education is a phenomena-driven core curriculum that puts high school students at the center of leading exhilarating investigations that uncover the mysteries of the universe.

The adaptable, digital Science Techbook is delivered through the award-winning DE learning platform.



- Phenomena-driven, research-backed science curriculum cultivates three-dimensional learning experiences.
- Active investigation of phenomena prompts students to ask questions, build models, and develop explanations to generate evidence of sensemaking.
- Lesson planning, differentiation, progress monitoring, and professional growth opportunities provide teachers with time-saving support.
- Exclusive, original, and highly engaging multimedia content makes science exciting and relevant for all students.

# Pivot Interactives Overview

## Authentic, Interactive Video-Based Science Activities



- **Over 500 activities** cover all science subjects, are 100% customizable, easily searchable, and simple to assign.
- **Randomized questions and automatic feedback** help minimize copying and boost confidence.
- **Scaffolded instruction** guides students as they learn.
- **Embedded data tables** and graphing are simple, seamless, and powerful.
- **Co-Lab™ groups** empower students to work together to overcome challenges.
- **Interactive videos** enable students to create their own experimental scenario, actively engaging and exploring.
- **Syncs with bluetooth data sensors** for accurate, hands-on data collection and analysis, with no extra software.
- **Shared teacher libraries** allow content alignment across courses or departments.
- **LMS Integration** (IMS Global - LTI 1.3).
- **Rostering and SSO** makes joining a class a snap.
- **Standards alignment** crosswalks (AP, IB, NGSS, and other state standards).
- **Robust intuitive dashboard**, with reporting on PD, usage, and impact.



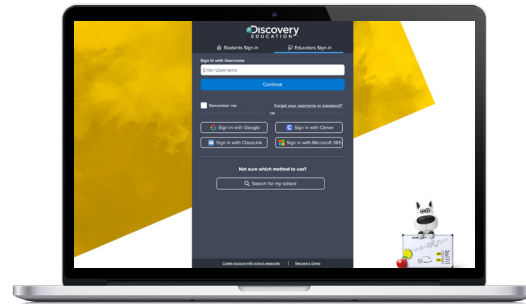
# Quick Start Guide

## Science Techbook

Science Techbook by Discovery Education is a world-class digital curriculum solution offering courses in Biology, Chemistry, Physics, and Earth and Space Science. Accessed through DE's a dynamic daily learning platform, Science Techbook offers award-winning teaching and learning resources, collaboration and creation tools, and on-demand professional learning. This guide will walk you through quick navigation steps to support your

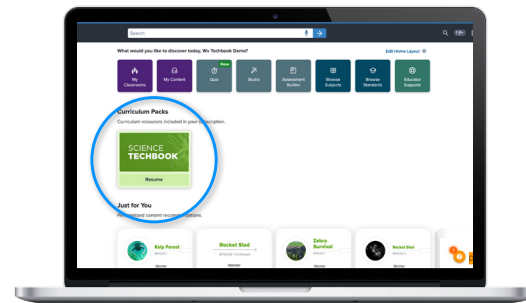
### 1 Sign In to Discovery Education

Go to **DiscoveryEducation.com** and select the log-in button at the top of the screen. Enter your credentials to start exploring the tools and resources to engage students, track progress, and additional content to enhance your Science Techbook curriculum.



### 2 Select Science Techbook

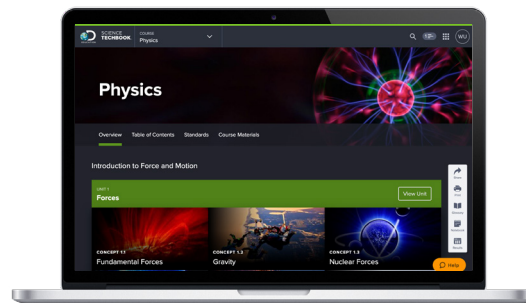
Once inside, scroll down to locate the Science Techbook tile under Curriculum Packs.



### 3 Select a Course

Choose your course from the drop-down menu at the top of the screen.

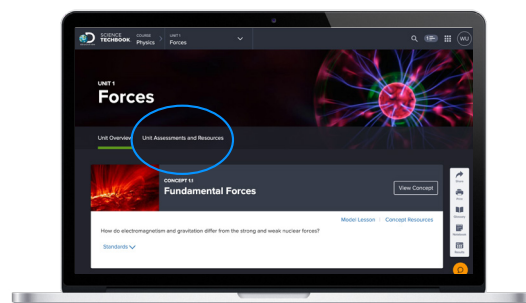
Choose the unit the Unit you wish to review.



Physics Course View

### 4 Select a Unit

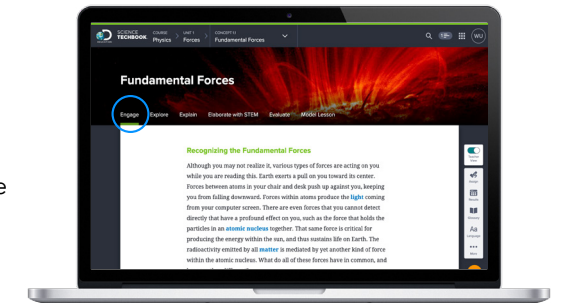
Here you will find unit concepts, model lessons, resources, and unit-level assessments.



Unit Overview

### 5 Select a Concept and Engage with Investigative Phenomena

Choose a Unit Concept and view the 5E lesson cycle across the top. In the Engage tab, students will be introduced to the science concept using Investigative Phenomena.

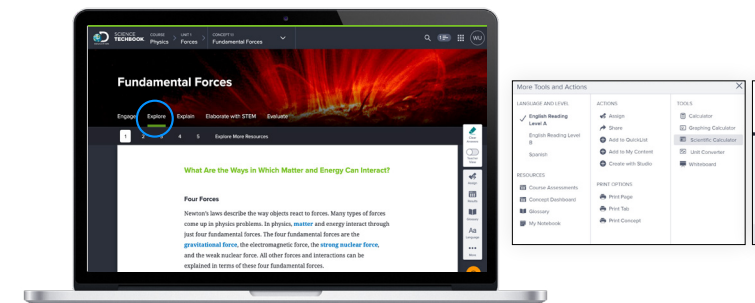


Concept 1.1, Engage

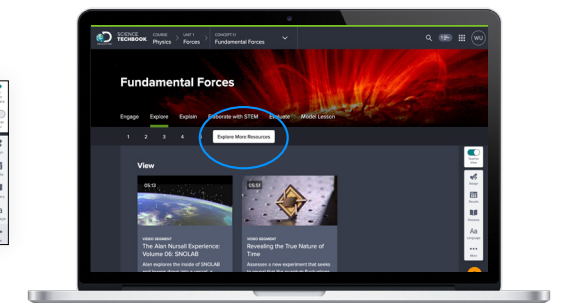
### 6 Explore the Concept

The Explore tab provides core interactive text that features multiple differentiation options in the right-hand toolbar, including text size, Lexile reading levels, and a toggle to authentically translated Spanish. Other tools include text-to-speech, highlighting capabilities, translation options for 90+ languages, a science glossary, a digital student notebook, and graphic calculator powered by Desmos™.

The Explore More Resources section contains videos, reading passages, hands-on activities, and simulations to deepen student understanding.



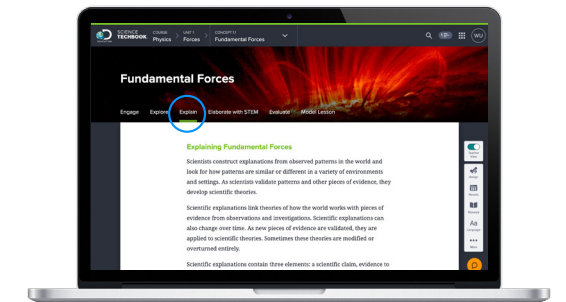
Concept 1.1, Explore



Explore More Resources

### 7 Explain with Evidence

The Explain tab lets students communicate the self-constructed scientific explanations they developed through the Explore tab. Students can represent their learning in multiple ways, such as uploading media and ideas through the collaborative Studio tool, which allows students to express themselves using different modalities.

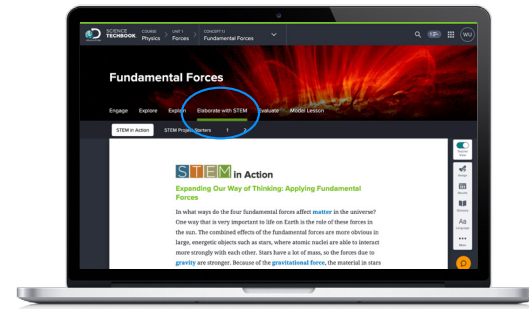


Concept 1.1, Explain

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## Elaborate with STEM Tab

The Elaborate with STEM tab provides students with a STEM in Action section that connects real-world career opportunities related to the science content. STEM Project Starters allow extensions for learning and student collaboration. Students are presented with authentic problems that connect science, technology, engineering, and mathematics and are expected to research and design solutions.

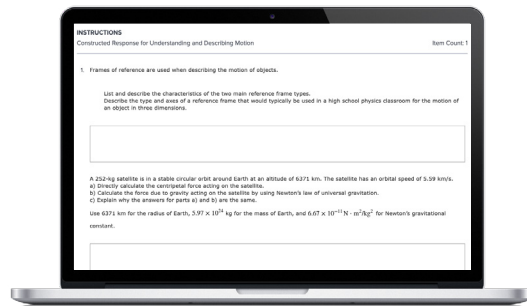


STEM in Action

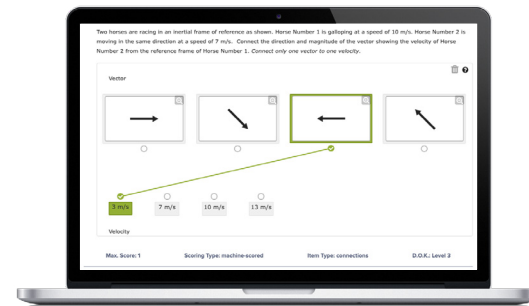
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## Evaluate Understanding

The Evaluate tab provides review resources and multiple options for summative assessment, including brief and extended constructed response items and multiple choice questions. Available in English and Spanish.



Constructed Response Assessment



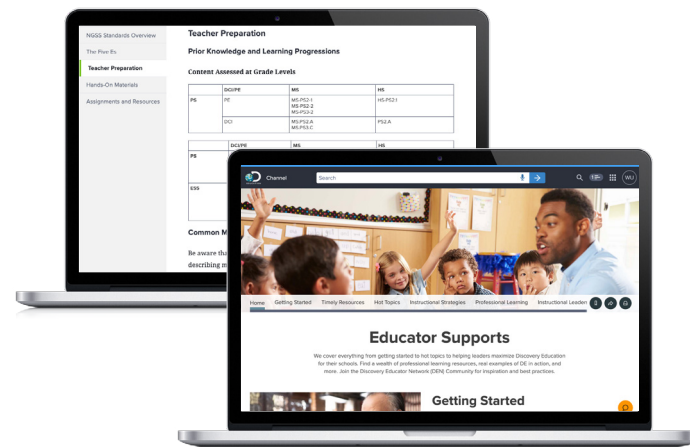
Concept Summative Assessment

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## Model Lessons and Teacher Notes

The Model Lesson tab provides curriculum alignment information, full lesson plans, common misconceptions, content background for the teacher, tips for differentiation, lists of required hands-on materials, and more.

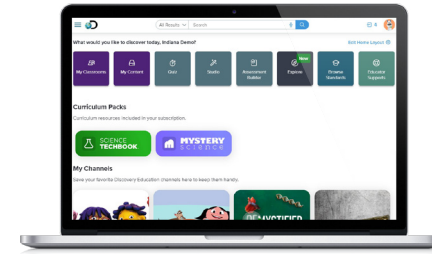
To explore professional learning resources, ready-to-use lessons, instructional strategies covering topics such as SEL, ELL, and STEM, and inspiration from educators in the Discovery Educator Network (DEN), visit the Educator Supports channel within the platform.



# Purchase Options

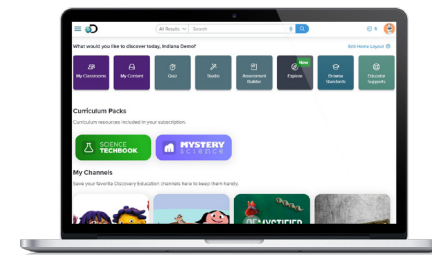
### Option 1: Digital

This package is a digital-only solution that is fully aligned to the Indiana Academic Standards for Science. It includes the best-in-class, adaptable digital *Science Techbook*, delivered through the award-winning DE platform.



### Option 2: Digital with Pivot Interactives

This package is a digital-only solution that is fully aligned to the Indiana Academic Standards for Science. It includes the best-in-class, adaptable digital *Science Techbook*, delivered through the award-winning DE platform supported by over 500 Pivot Interactives to enhance hands-on opportunities in all science classrooms.



# Professional Learning Options

Discovery Education *Professional Learning* complements the Indiana *Science Techbook* adoption, providing foundational support as districts transition or expand their implementation of DE's digital resources.

Participants engage in unique learning experiences designed to build teacher efficacy and confidence in using digital resources to enhance science instruction. Immersive experiences bring learning to life and model the tenets of *Techbook* in action: inquiry, multimodal resources, and high-yield instructional strategies.

Each Indiana district using *Science Techbook* will receive a specific number of professional learning days as part of the adoption, which can be delivered as needed throughout the duration of the adoption cycle.

Below are the metrics used to determine the appropriate levels of professional learning that are **included free of charge**.

Total # of Student Licenses Purchased	Level of Professional Learning
0 to 99 student licenses	Continuous asynchronous online support
100 to 249 student licenses	2 hours of virtual PL + continuous asynchronous online support
250 to 499 student licenses	4 hours of virtual PL + continuous asynchronous online support
For every 500 student licenses	2 on-site day of PL + continuous asynchronous online support

## Contact Us

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**Learn More**

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