



Virginia Science Experience

- **Biology**
- **Chemistry**
- **Earth Science**
- **Physics**

Included with your premium package:

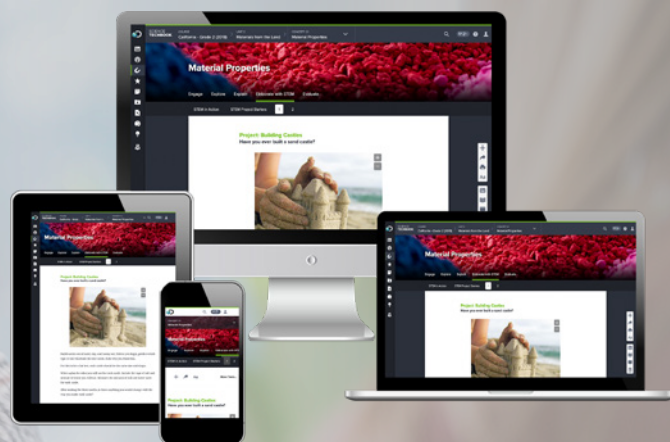


This comprehensive science curriculum will change the way your students experience science with a powerful blend of dynamic digital, interactive print and immersive experiences.

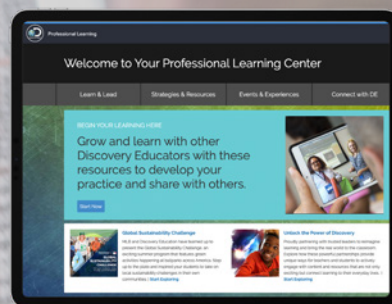
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Dynamic curated K–12 curriculum resources combined with on-demand instructional strategies, personalized for your needs as an educator.



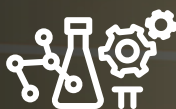
High School Student and Teacher Digital Editions



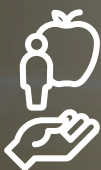
Professional Learning



Digital

VA SOL
Assessments

STEM

Teacher
Support

Inclusive

Authentic
Spanish

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



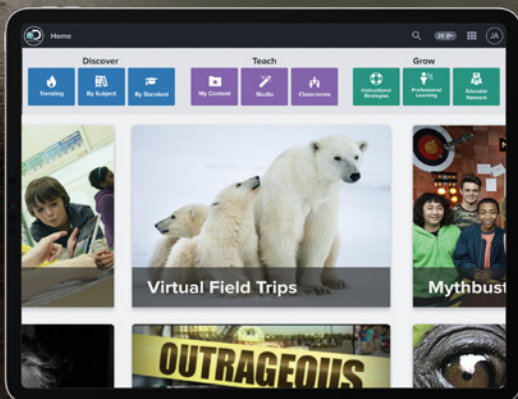
STREETSCIENCE





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.



Live From The Tundra

Students can experience the annual polar bear migration through an virtual exploration, live from the Arctic.

A young man with short dark hair, wearing a grey zip-up sweater over a white t-shirt and clear safety goggles with green straps, is looking intently at a microscope. He has his hand near his chin in a thoughtful pose. In the background, other students wearing safety goggles are visible, slightly out of focus. The setting is a science laboratory with various equipment like beakers and test tubes on the table.

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



On-Site Professional Learning

Dynamic professional development empowers teachers with tools and strategies for successful implementation in any classroom environment.

- Tailored support
- Job-embedded coaching
- Research-based strategies



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
- Planning resources
- Differentiation 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

SCIENCE
TECHBOOKCOURSE
Virginia - PhysicsUNIT 2
Introduction to ForcesCONCEPT 2.5
Centripetal Force and C...

Centripetal Force and Circular Motion

Engage

Explore

Explain

Elaborate with STEM

Evaluate

Having Fun with Centripetal Force and Circular Motion

Imagine riding on a roller coaster, shouting as the train follows the upside-down loop-the-loops of the track—all while the coaster's high **speed** keeps you safe from flying out. Of course, you are using your safety restraints, but even without those, you would stay in place inside your car because of **centripetal force**, which pulls objects inward when they are following a circular path like the circular tracks of the roller coaster.

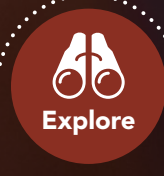


Explore The World Utilizing The 5 E's Of Instruction

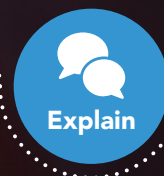
- One learning platform built on the 5E model, offering award-winning research-based core curriculum which has been certified by the New York Academy of Science's Global STEM Alliance.
- Differentiation engine optimizes for each student through multi-modal tools, interactive labs, formative assessment tools, numerous language preferences and Lexile levels.
- Curated resources personalized for the educator based on interest, subjects and students.
- Universal student and teacher access supports interdisciplinary instruction, seamlessly connecting students learning between classrooms.



Engage



Explore



Explain



Elaborate



Evaluate



Access and Equity for all Students

Virginia Science Experience 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**.
- Accelerate or remediate instruction with **embedded differentiation tools** and a **real-time data dashboard**.

Included with your premium package, you have access to a vetted bank of K–12 curriculum resources and on-demand instructional strategies with Discovery Education Experience.



Home

Discover

Teach

Grow



Trending



By Subject



By Standard



My Content



Studio



Classrooms



Instructional
Strategies



Professional
Learning



Educator Network

My DE

MY ADMIN



SCIENCE
TECHBOOK

Physics (NEW)



Instructional Inspiration



English/Language Arts



Mathematics



Science



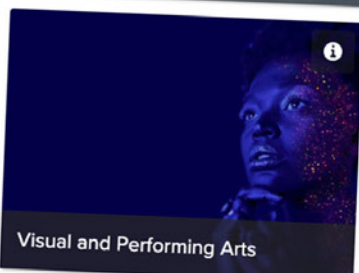
Social Studies



Health



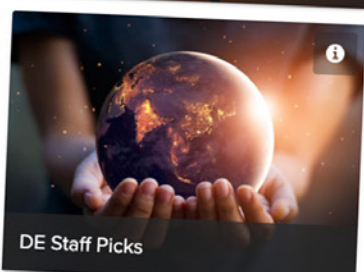
Careers/Work Place Skills



Visual and Performing Arts



World Languages



DE Staff Picks



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.

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Real World
Challenges



Hands-On
Activities



Career
Connections



Local Connections



**It's an amazing world out there.
Explore it in here.**

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

Log into DiscoveryEducation.com

Teacher View

Username: VA_SCIADOPTION_TEACHER
Password: discovery

Student View

Username: VA_SCIADOPTION_STUDENT
Password: discovery