

ENVIRONMENTAL SCIENCE: SUSTAINING YOUR WORLD

DIGITAL WALKTHROUGH

Florida Edition

Powered by

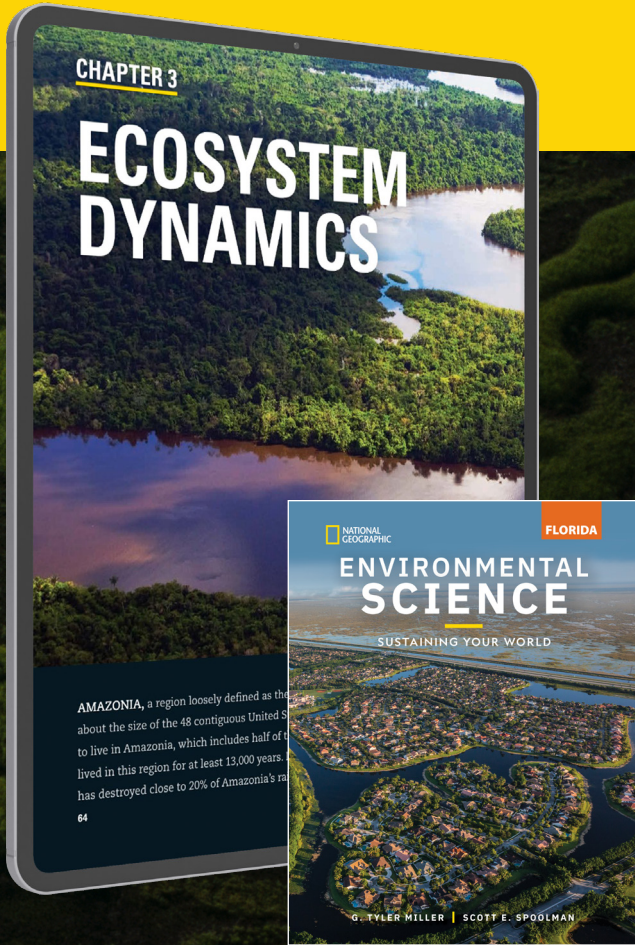
 Cengage MindTap





DIGITAL WALKTHROUGH

Student And Teacher's Edition



National Geographic Environmental Science: Sustaining Your World, © 2024

Hello Florida Environmental Science Review Leaders,

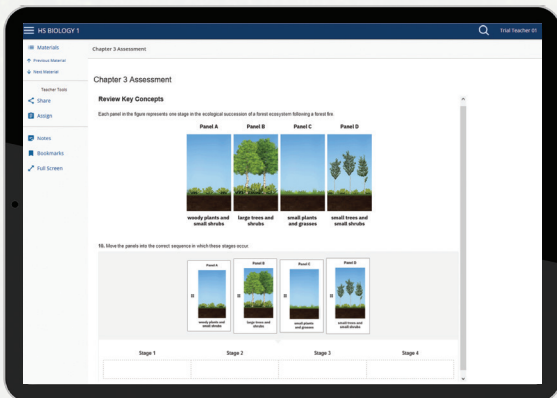
Environmental Science: Sustaining Your World was created specifically for high school environmental science courses. This updated copyright includes revised chapters with current data, and an improved digital experience with interactive “Storymaps” with visuals and data. National Geographic images and graphics support the text, while National Geographic Explorers and scientists who are working in the field to solve environmental issues of all kinds tell their stories of how real science and engineering practices are used to solve real-world environmental problems. Ensure that your students learn critical thinking skills to evaluate all sides of environmental issues while gaining knowledge of the Core Ideas from the Florida Next Generation Sunshine State Science Standards and applying that knowledge to real science and engineering practices and activities.

We look forward to **Bringing The World Into Your Florida Classroom** with **National Geographic Environmental Science: Sustaining Your World.**

Kind Regards,
Your National Geographic Learning Team

FOCUS, CONNECT, AND ENGAGE

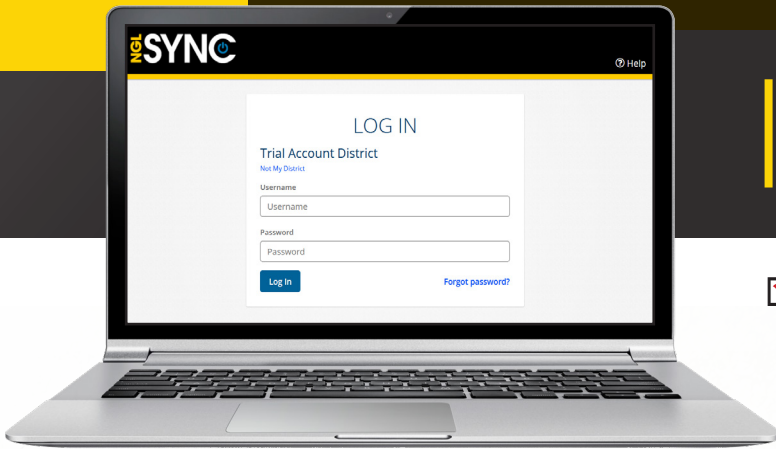
Our online solutions help you and your students accelerate learning by staying focused, connecting to content, and engaging with the world.



National Geographic Learning, a part of Cengage Group, is proud to partner with educators and schools to offer a wide range of access, enrollment, and integration offerings to our digital programs:

Our digital courseware solutions support your instruction and put students at the center of learning.

- Independent Learning and Assessment Tools
- Course Planning and Effective Teaching Support
- In-Class Teaching Opportunities



WALKTHROUGH OUR ONLINE PLATFORM

A Step-by-Step Checklist

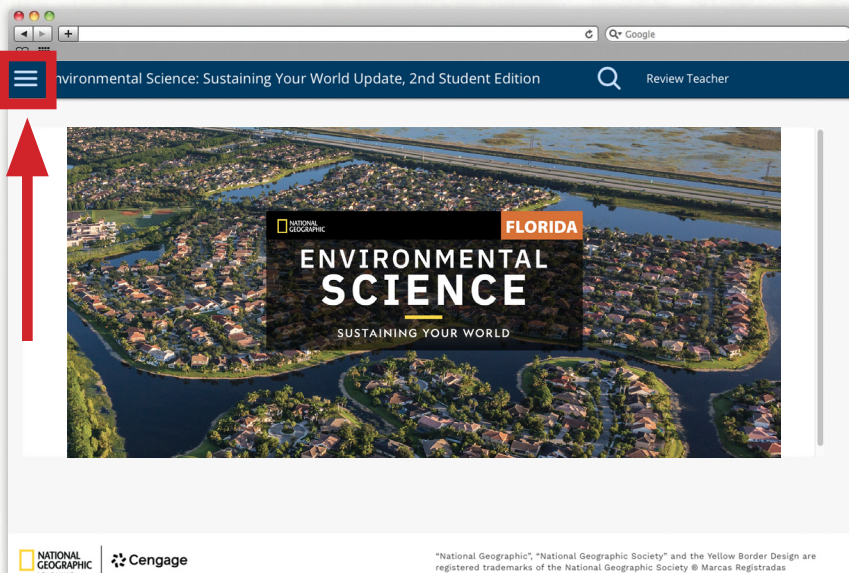
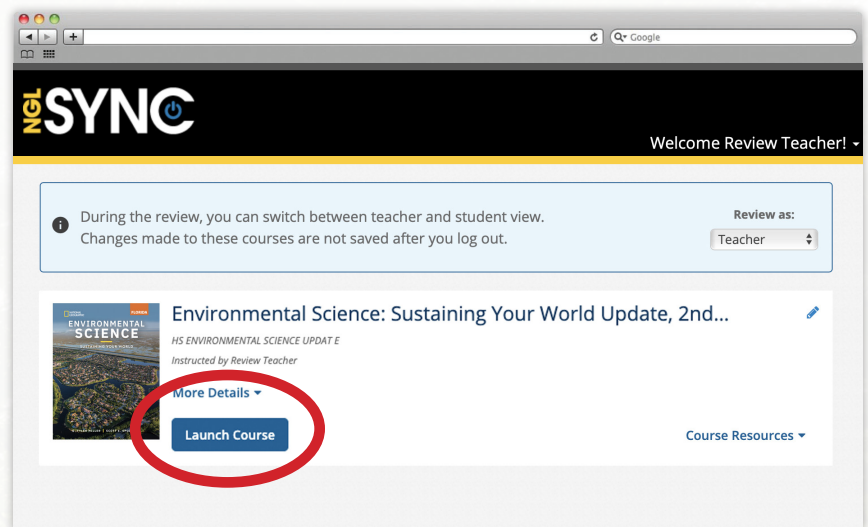
Need credentials? Explore a sample or request digital access at

NGL.Cengage.com/FL-Science

1 Login

- Use the credentials provided to login to the course portal
- Click the **Launch Course** Button for the course you would like to launch

Note the Course Resources opens a dropdown to access the Cognero online test generator with included environmental science test bank



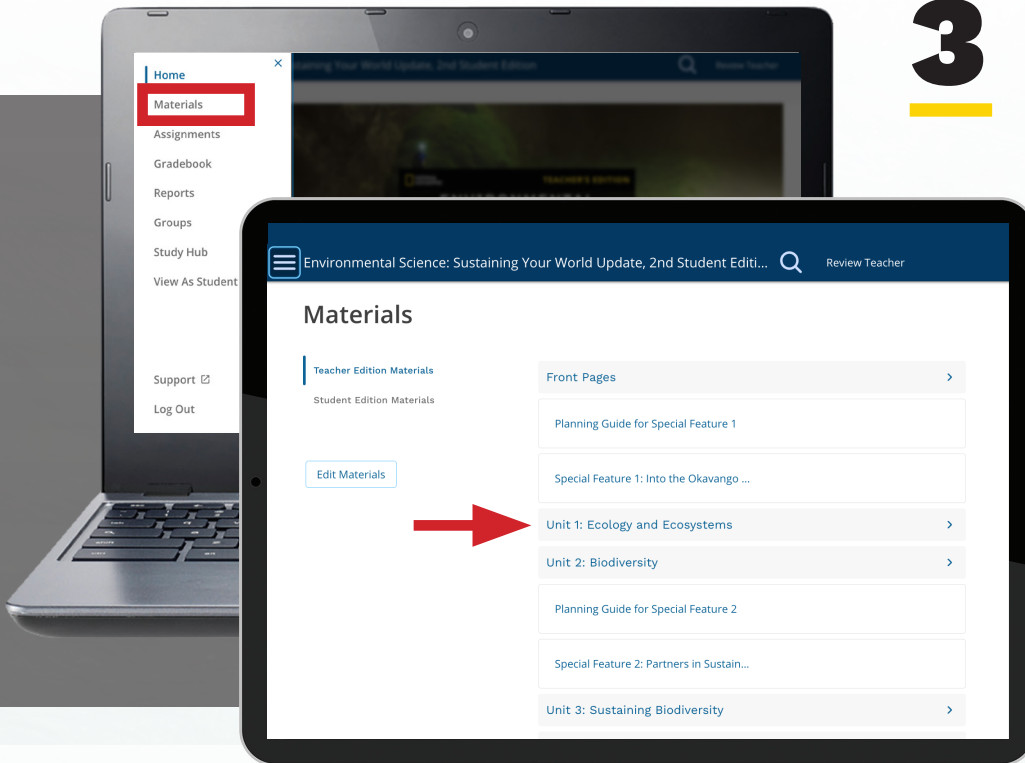
2 Welcome Launch

- To access the content, **click the three bars icon** in the top left corner



3 Drop Down Menu

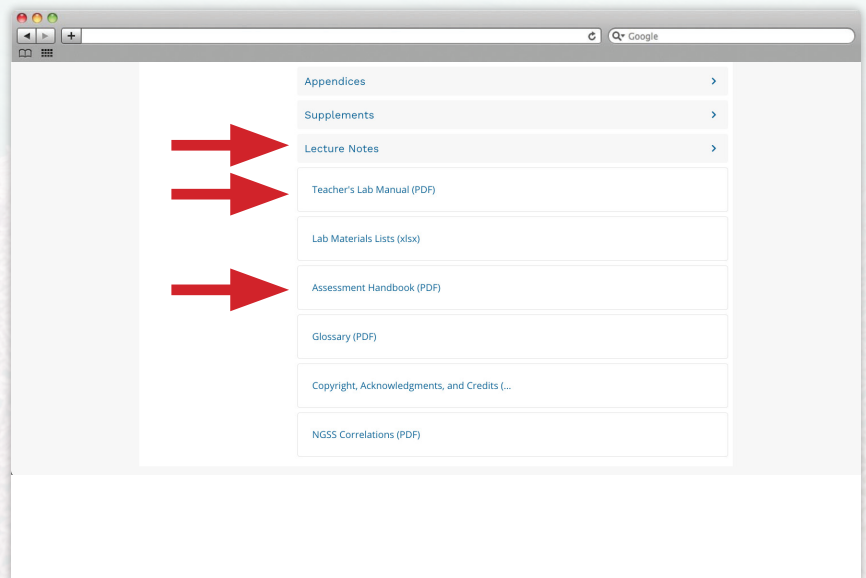
Click **Materials**



4 Digital Table of Contents

Explore the teacher resources available from the Materials menu including the following highlights:

- Click the **Teacher's Lab Manual** to view and download the full PDF
- Click the **Assessment Handbook** to view and download the full PDF
- Lecture Notes** are **downloadable PowerPoint files** for each Unit



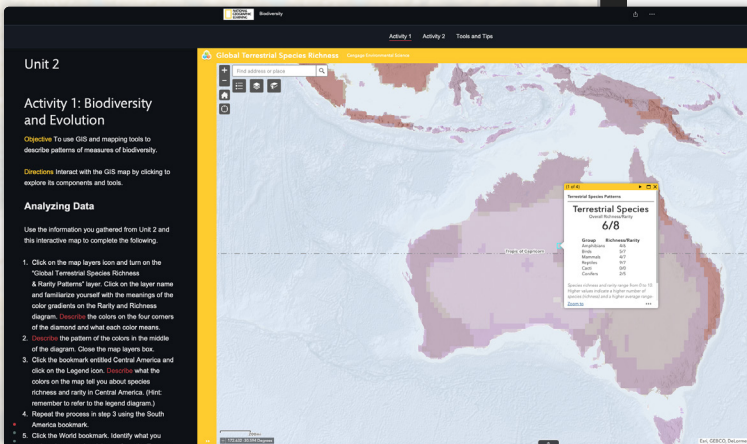
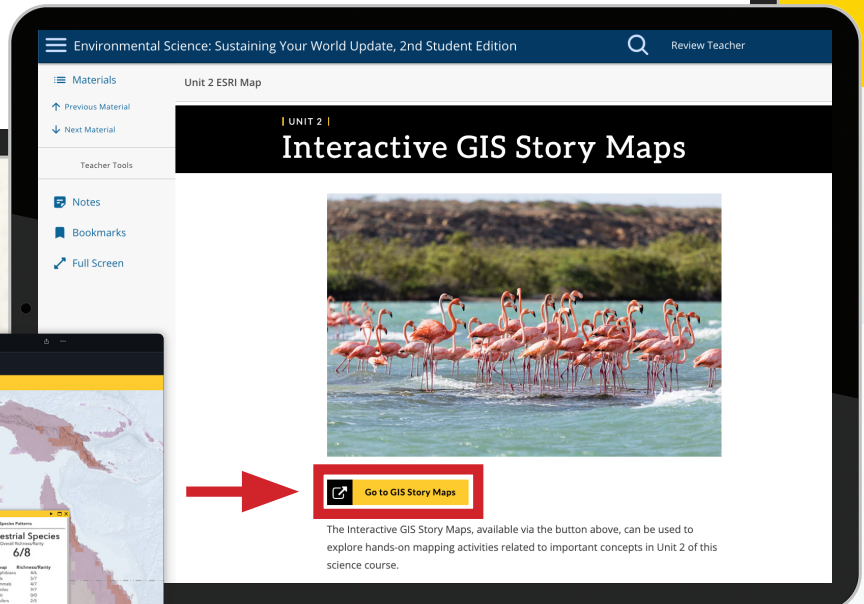
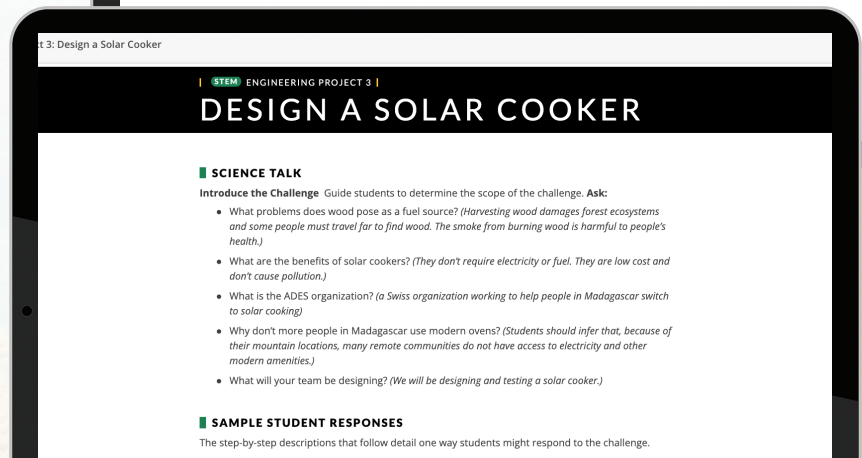
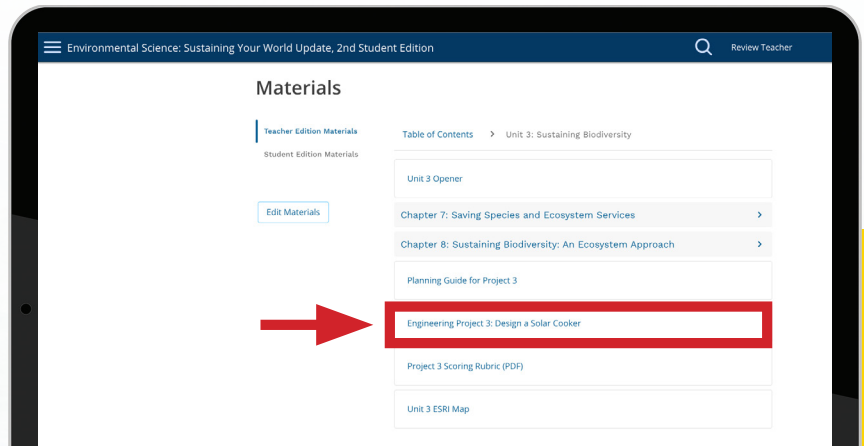
Hint: always click upper left corner **Materials** button to return to table of contents

5

Unit Overview

From within each Unit:

- Click the tab that says **Engineering Project**
- Click Materials (Upper Left) - Click the **Unit ESRI Map**.
- Click **Go to GIS Story Maps** to access the interactive story map
- Each **Story Map** includes **2 Activities**. After exploring Activity 1, scroll down to view Activity 2



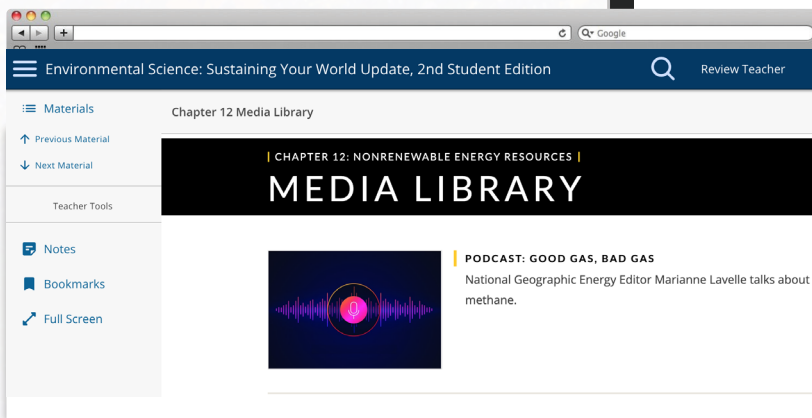
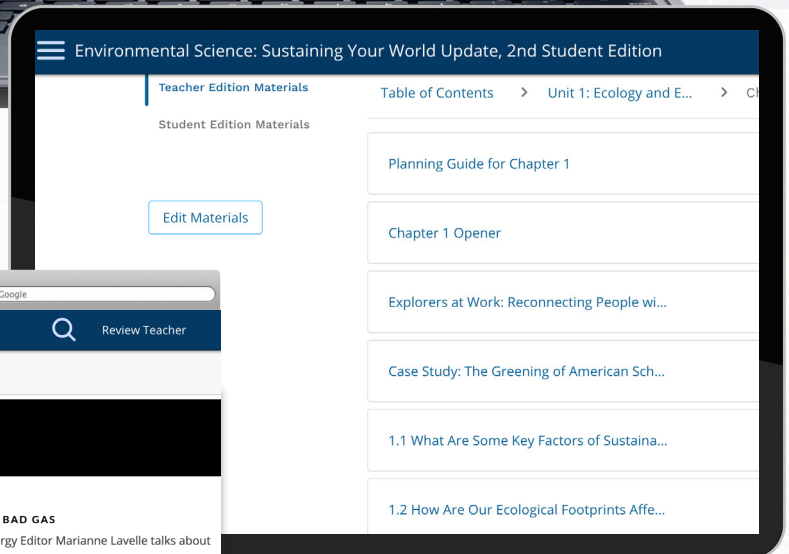
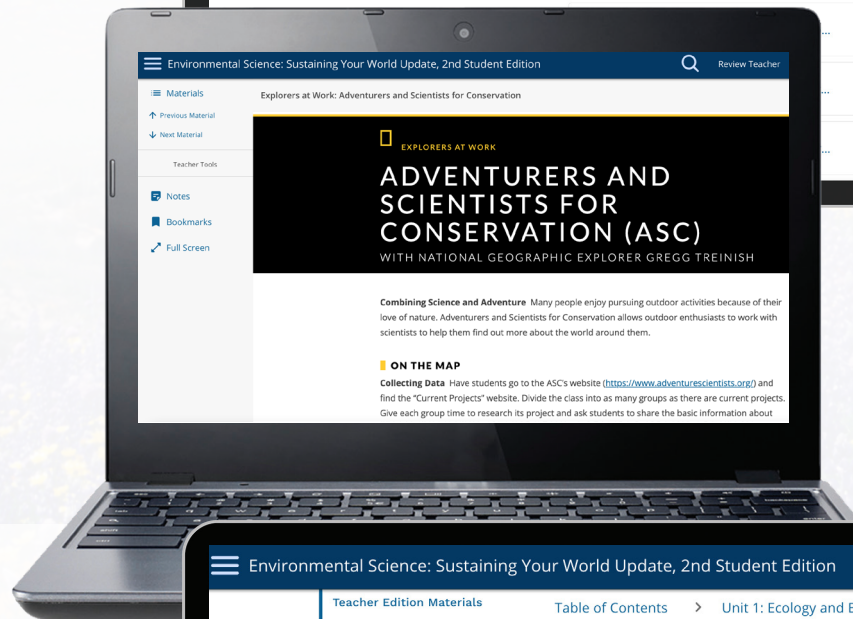
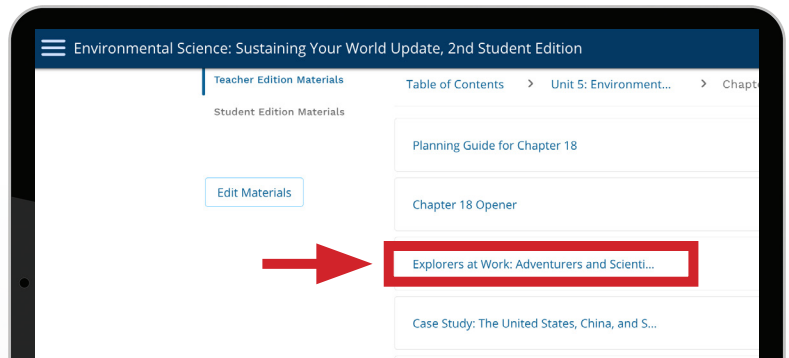
6 Chapter Structure & Resources

Click Materials (Upper Left) choose a **Chapter to Explore** (Explore Resources within the Chapter)

- Explorers at Work
- Case Study
- Chapter Lessons
- Tying it All Together
- Summary
- Assessments
- Activities
- Investigation
- Media Library

Media Library Features will include - **Videos**, **Animations** and **audio podcasts**

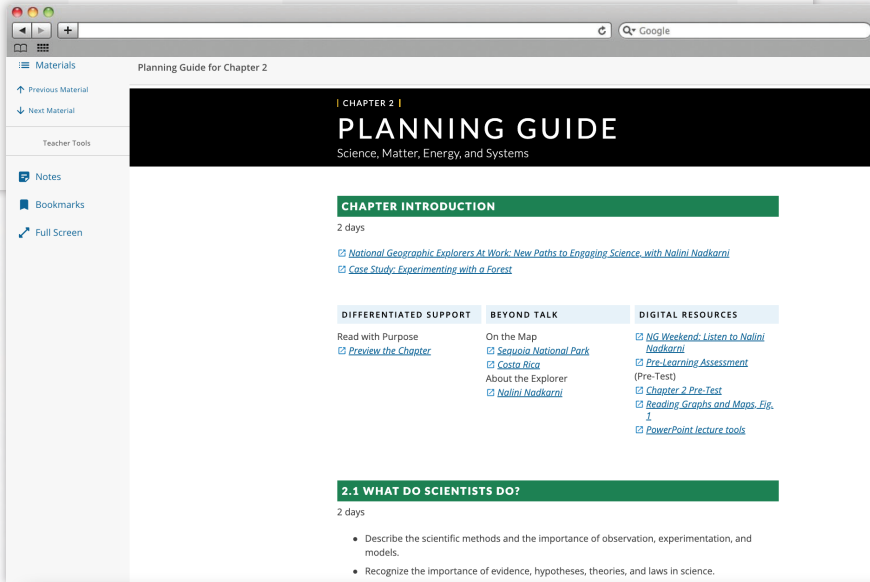
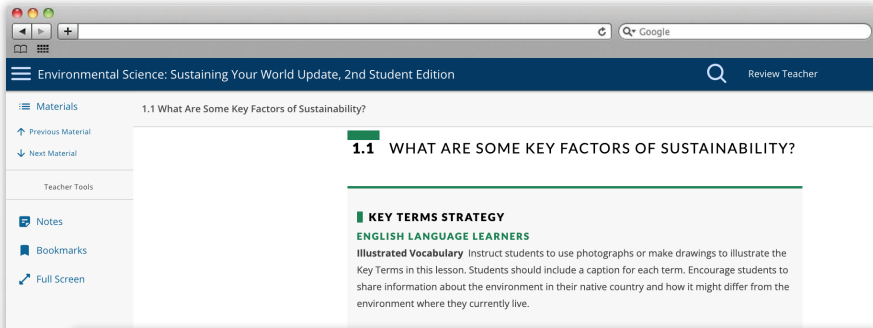
Select a **lesson to explore**



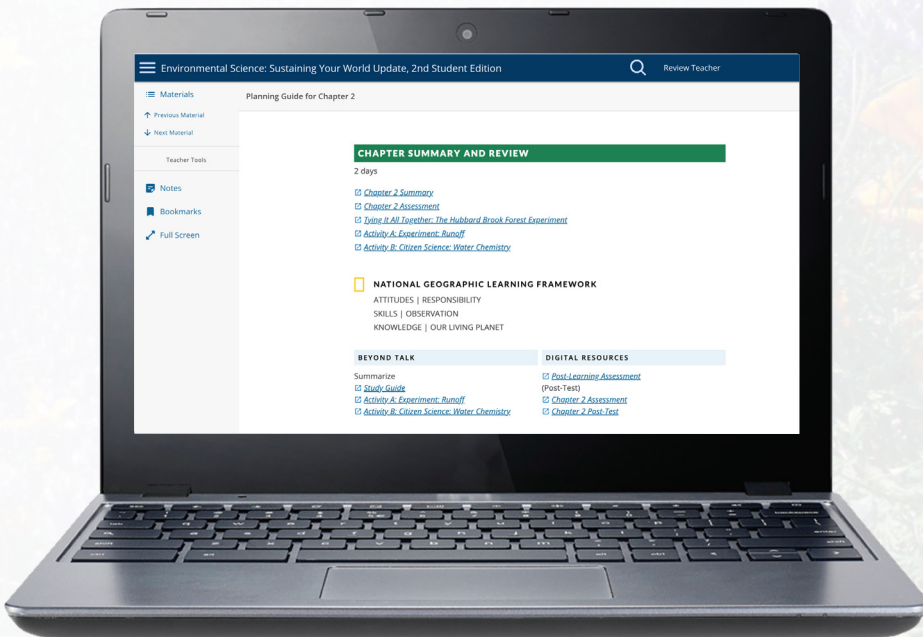
While viewing teacher resources for a lesson, note the **Lesson Resources** section with links to **Videos**, **Maps**, and **Test Banks**

Hint: always click upper left corner **Materials** button to return to table of contents

7 Assessments

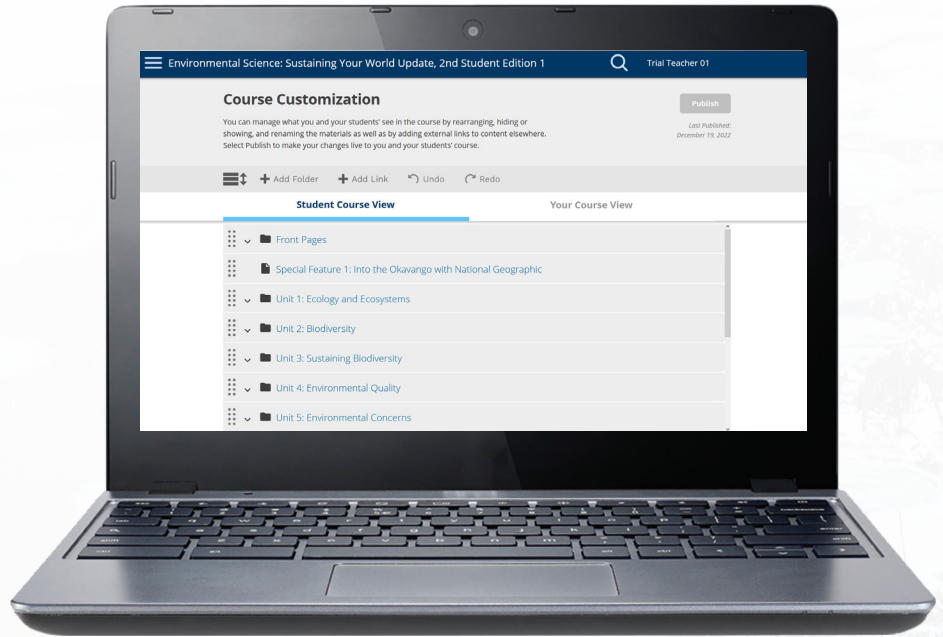


- Click Materials (Upper Left) **Scroll to Chapter Assessments**
- Click **Chapter Assessments**
- Explore **Review Chapter, Pre-Test, Pre-Learning Assessment, Assessment Activities** (scroll down to see full list)



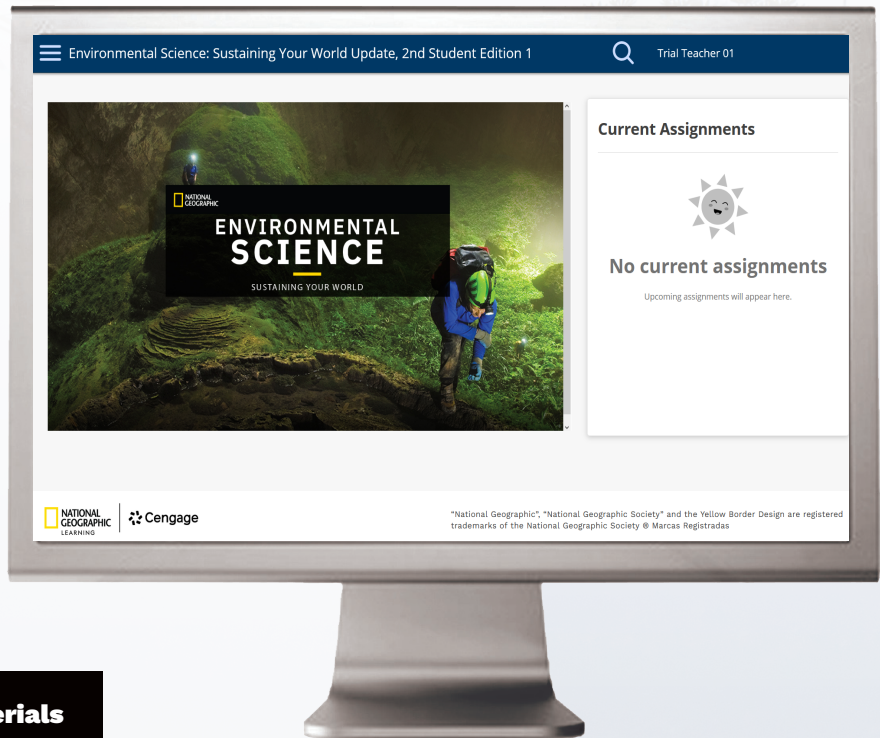
8 Make it Your Own

- Click 3 bars Upper Left Corner **Select Materials**
- Select **Edit Materials**
- Add a folder, upload a link, move content around to customize the platform to your needs



9 Student View

- Click 3 Bars Upper Left Corner
- Select **View As A Student**
- Explore **What a Student Sees**



Hint: always click upper left corner **Materials** button to return to table of contents

10 Have Fun – Become An Explorer!

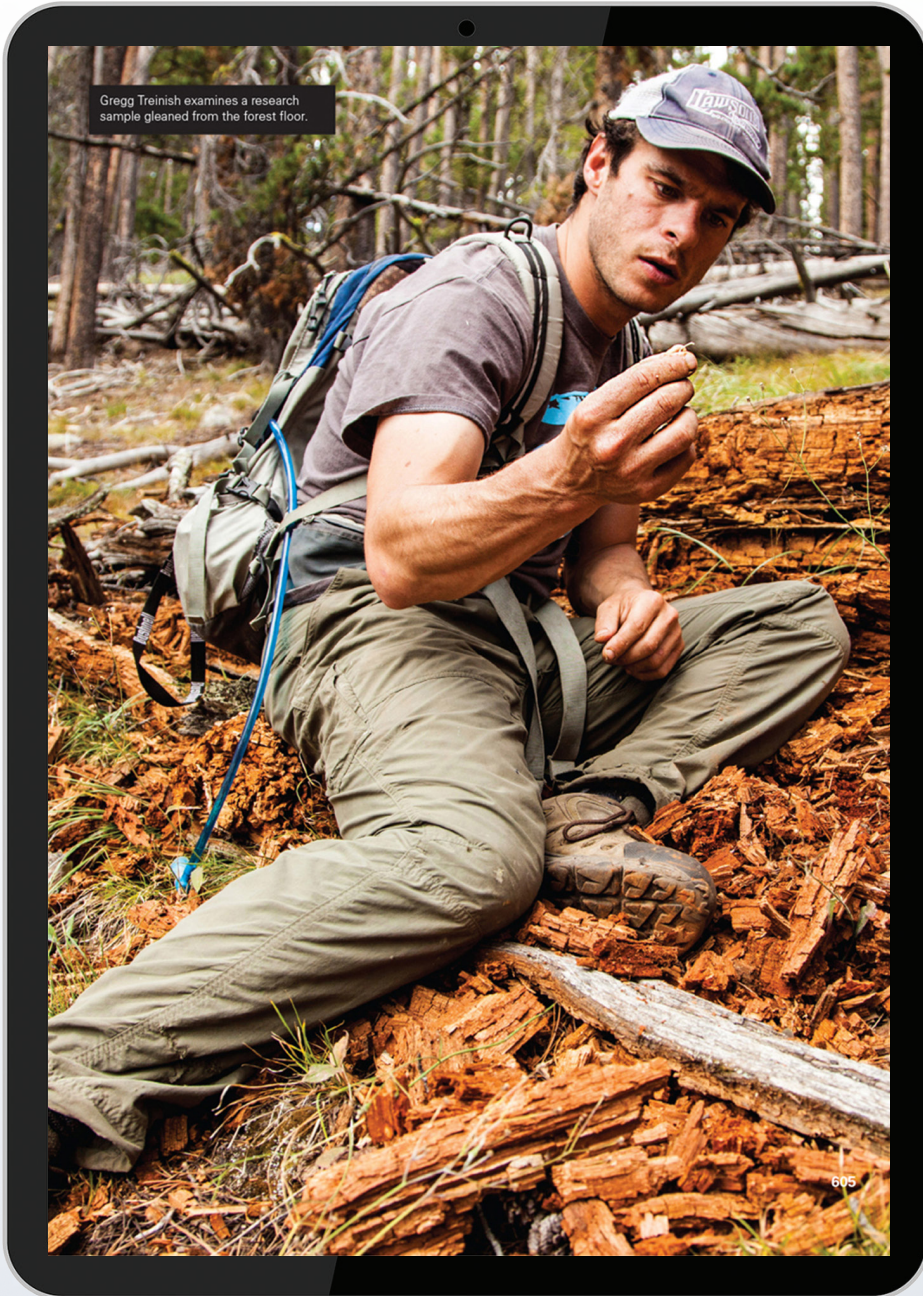


Table of Contents

Special Feature: Into the Okavango with National Geographic

UNIT 1 - Ecology and Ecosystems

1. The Environment and Sustainability
2. Science, Matter, Energy and Systems
3. Ecosystem Dynamics

UNIT 2 - Biodiversity

4. Biodiversity and Evolution
5. Species Interactions, Ecological Succession, and Population Control
6. Ecosystems and Climate

Special Feature: Partners in Sustainability: Nature Museums and Preserves

UNIT 3 - Sustaining Biodiversity

7. Saving Species and Ecosystem Services
8. Sustaining Biodiversity: An Ecosystem Approach

UNIT 4 - Environmental Quality

9. Food, Soil, and Pest Management
10. Water Resources and Water Pollution
11. Geology and Nonrenewable Mineral Resources
12. Nonrenewable Energy Resources
13. Renewable Energy Resources

Special Feature: Citizen Science and National Geographic's BioBlitzes

UNIT 5 - Environmental Concerns

14. Human Population and Urbanization
15. Environmental Hazards and Human Health
16. Air Pollution, Climate Change, and Ozone Depletion
17. Solid and Hazardous Waste
18. Environmental Economics, Politics, and Worldviews

Features

- Completely revised with updated content and data, plus a new Lab Manual for hands-on support of environmental science concepts
- Redesigned digital platform now includes interactive “Storymaps” to reveal our changing planet in immersive detail to tell the story of environmental issues
- Integrate 3-dimensional learning and engineering projects to promote scientific understanding of environmental issues and show how science and engineering practices are used to solve real-world environmental problems
- Special National Geographic features introduce students to unique projects and partnerships



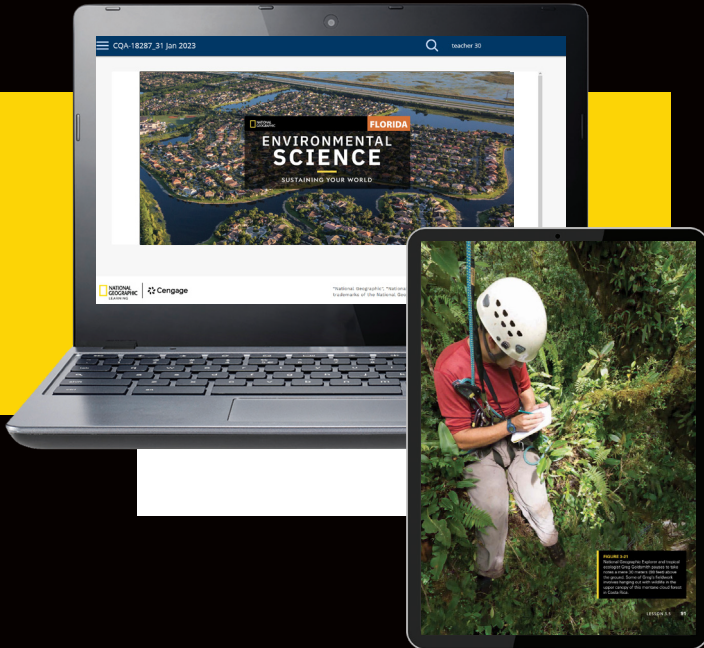
Technology

- MindTap is a cloud-based, highly personalized, learning environment that combines student learning tools—readings, multimedia, activities, and assessments—into a single Learning Path
- Teachers can easily customize learning tools for their students, seamlessly introducing their own content, and also have access to powerful class reports and analytics to help save time, measure progress, and improve outcomes



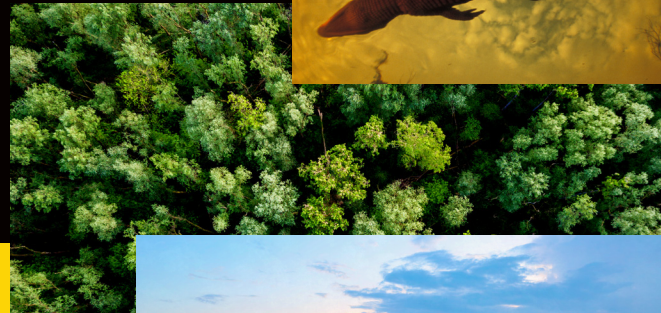
Florida Edition

PREPARING FLORIDA STUDENTS FOR COLLEGE AND CAREER SUCCESS THROUGH THE STUDY OF ENVIRONMENTAL SCIENCE



Students learn:

- ✓ Problem Solving
- ✓ Research Skills
- ✓ Organization
- ✓ Analytical Skills
- ✓ Teamwork
- ✓ Communication Skills
- ✓ To Build an Argument Based on Evidence



For more information, visit NGL.Cengage.com/FL-Science

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