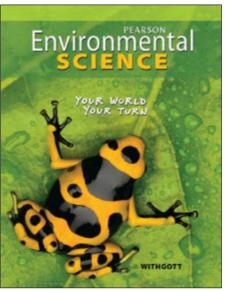




Program Overview

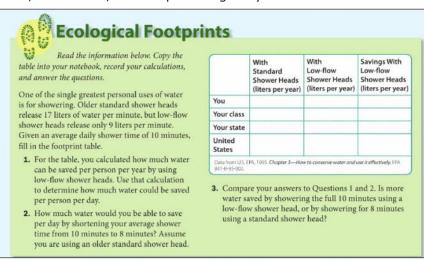
Introduction

This guide examines the Environmental Science: Your World, Your Turn program philosophy and author. It also explains how the program presents real issues, utilizes authentic data, and provides engaging inquiry and powerful assessment.

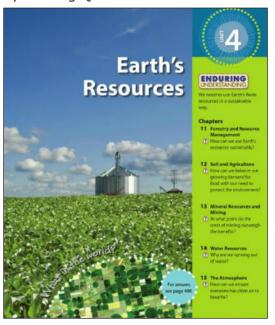


Philosophy

Environmental Science: Your World, Your Turn was designed to teach your students that their actions can make a difference. Throughout the year, they will measure their own ecological footprints and understand society's impact on the environment. This program makes science personal, actionable, and empowering for your students.



The program was built using the Understanding by Design® framework, which connects curriculum, instruction, and assessment to the Enduring Understanding concepts of environmental science, so that your students develop a deep understanding of the program concepts. Enduring Understandings are introduced at the unit level. Each chapter begins with the introduction of a Big Question that guides students in their study. Then, for each lesson there is a guiding question that relates to the chapter's Big Question.



Author

Environmental Science: Your World, Your Turn was written by Jay H. Withgott, an environmental writer, researcher, and educator. In addition to authoring articles for many scientific journals and magazines, Withgott has authored two college textbooks on environmental science. He strives to make science accessible and engaging for all students.

Program Highlights

The program takes hands-on and minds-on learning to a new level. The student edition includes lesson-level activities, while the online program features a wealth of multimedia digital resources.

Real Issues

Using real-world case studies and newsworthy topics, Environmental Science: Your World, Your Turn puts the world in context and empowers your students to take an active role in the world in which they live.

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Central Case

Central Case studies open each chapter and bring the most current environmental issues to life. Students follow a Central Case throughout each chapter in print and online. Throughout the chapters, students use real data and apply what they have learned so they can answer the Big Question of each Central Case.



Make Your Case

The Central Case in this chapter explored the complex and urgent situation regarding water shortages in Nevada. Based on what you have learned, what do you think Nevada should do? Use examples from the Central Case and the lesson to support your ideas.

ABC News Videos

You can bring lesson topics to life by showing related videos from the ABC News archives. These online videos present actual news stories that engage students, spark inquiry, and help them relate to the topic.



Authentic Data

The program provides a variety of activities that use authentic data to help your students connect to the real issues of their environment. They can explore the implications of various topics through graphing, analyzing, and mapping activities that utilize authentic data.



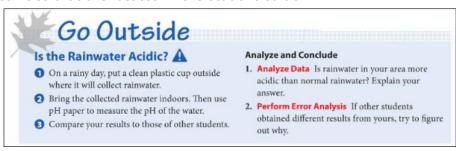
The Mississippi River Watershed

The Mississippi River Basin is the third largest watershed in the world, covering over 3 million square kilometers (1.2 million square miles). In fact, it drains 41% of the land area of the contiguous United States. Use the map in Figure 3 to answer the following questions.

- Interpret Maps Trace the path of a raindrop that falls in Billings, Montana, as it makes its way to the Gulf of Mexico. List the rivers it flows through.
- 2. Explain Why does the map of the Mississippi River watershed contain both the river system and the land that surrounds it?
- 3. Infer The Mississippi River watershed is bordered by the Appalachian Mountains to the east and the Rocky Mountains to the west. Why does it make sense that mountain ranges form natural watershed boundaries?

Inquiry

The program also provides your students with hands-on and mindson experiences. Quick Lab and Go Outside are two types of inquiry activities that are located in the student edition.



A majority of the in-depth inquiry activities are in the online Lab Manual, which is located on MyEnvironmentalScience.com. You can customize these activities by simplifying instructions, altering materials lists, or adding state standards.

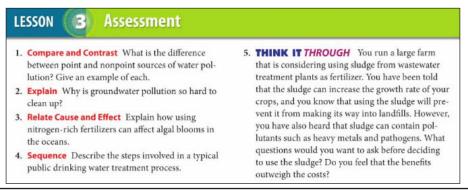
Online inquiry activities include research-based activities that connect students with their local environment, field experiments, minds-on inquiry, and traditional labs.

Assessment

Next, a wide range of assessment opportunities help you monitor your students' progress, evaluate content mastery, and ensure their success on high-stakes tests. Students complete assessments from their student edition to think critically and apply the chapter concepts.

Additionally, MyEnvironmentalScience.com offers a variety of assessment options. Students can take chapter-level self-tests. You can access MyEnvironmentalScience.com for two levels of editable unit and chapter tests, as well as online assessments.

You can also use the ExamView® test banks to create and print additional assessments.



Review

This guide discussed the program philosophy, including the Understanding by Design® framework.

It introduced program author, Jay H. Withgott, and it discussed how the program introduces real issues and utilizes authentic data.

Finally, this guide took a look at the various types of inquiry offered in the program and described how the program tackles assessment.