

INSTRUCTIONAL MATERIALS PUBLISHERS

Bid Item

Course: Environmental Science (2001340)
Title: HMD Environmental Science , Edition: First
Copyright: 2013
Author: Heithaus, et al
Grade Level: 9 - 12

Publisher Questionnaire

AUTHORS & CREDENTIALS: LIST FULL NAME OF AUTHOR(S), WITH MAJOR OR SENIOR AUTHOR LISTED FIRST. BRIEFLY PROVIDE CREDENTIALS FOR EACH AUTHOR.

Michael R. Heithaus, Ph.D., Dean, College of Arts, Sciences & Education and Professor, Department of Biological Sciences, Florida International University, Miami, Florida Mike Heithaus joined the Florida International University Biology Department in 2003. He has served as Director of the Marine Sciences Program and Executive Director of the School of Environment, Arts, and Society, which brings together the natural and social sciences and humanities to develop solutions to today's environmental challenges. He now serves as Dean of the College of Arts, Sciences & Education. His research focuses on predator-prey interactions and the ecological importance of large marine species. Karen Arms, Ph.D., J.D. Over the course of her career, Dr. Arms taught courses in biology and in science and society at Cornell University, marine biology at the University of Georgia Marine Biology Station, and introductory biology at South College in Savannah, Georgia. Dr. Arms authored several college-level textbooks, and she founded an ecotourism organization focused on preserving the environment and its wildlife. Dr. Arms studied zoology and molecular biology at Oxford and graduated with a Ph.D., and she earned her law degree from Cornell University.

STUDENTS: DESCRIBE THE TYPE(S) OF STUDENTS FOR WHICH THIS SUBMISSION IS INTENDED.

Holt McDougal Environmental Science © 2013 is a core science curriculum designed for all learners in the high school general education setting, including those who perform on grade level, below grade level, and above grade level, as well as English Language Learners.

1. LIST THE FLORIDA DISTRICTS IN WHICH THIS PROGRAM HAS BEEN PILOTED IN THE LAST EIGHTEEN MONTHS.

Not Applicable

2. HOW ARE YOUR DIGITAL MATERIALS SEARCHABLE BY FLORIDA STATE STANDARDS (SECTION 1006.33(1)(E), FLORIDA STATUTES)?

Holt McDougal Environmental Science aligns with the Next Generation Sunshine State Standards (NGSSS), and correlations documents are included in this submission.

3. IDENTIFY AND DESCRIBE THE COMPONENTS OF THE MAJOR TOOL. The Major Tool is comprised of the items necessary to meet the standards and requirements of the category for which it is designed and submitted. As part of this section, include a description of the educational approach of the submission.

Educational Approach (The information provided here will be used in the instructional materials catalog in the case of adoption of the program. Please limit your response to 500 words or less.)

Engaging, balanced, and inquiry-centered, Holt McDougal Environmental Science involves students in environmental topics, including ecology, Earth science, health, and policy issues. Print and digital student materials have been designed to present content in an organized and manageable way, keeping students engaged in the material. The Student Edition includes vibrant photographs, illustrations, charts, and graphs that help students visualize key concepts. Questions throughout the student materials promote the authentic application of learning and build critical-thinking skills. With HMD Environmental Science, students learn by doing. The program was designed to provide students with multiple and varied opportunities to engage in scientific inquiry in whole-group, stations, pairs, or collaborative small-group work. Throughout HMD Environmental Science, the authors created a variety of multisensory, hands-on experiences that optimize learning. Through inquiry-based learning activities, students learn by doing and ask questions, think critically, and make informed decisions. The program's inquiry-based approach embodies higher-level questioning and critical thinking. Instruction, investigations, and labs encourage students to formulate their own questions, design their own procedures and record results. As students engage in the practices of scientists, they learn by doing with continual questioning and reflection. Students must describe what they observe, ask questions of themselves and others, formulate hypotheses and explanations, and communicate their conclusions. The HMD Environmental Science program's print, digital, and multimedia content and the various labs work together to provide students with continuous, meaningful interactions. Because development of critical thinking skills is essential for student success beyond the classroom, HMD Environmental Science also provides ongoing support to foster these skills through a variety of challenge questions and exercises throughout each chapter.

Major Tool - Student Components Describe each of the components, including a format description.

Student Editions • Student Edition: Print edition: At every grade level, the HMD Environmental Science print Student Edition is well-organized, visually appealing, and easily portable. This core text is a hardcover book with full-color pages. The reader-friendly layout includes manageable chunks of text, vibrant images that directly connect to the lesson content, and helpful headings. • Student Edition: Online interactive edition (HTML5): The HMD Environmental Science Student Edition invigorates learning by delivering a completely interactive experience. The online interactive textbook includes an embedded natural-voice text reader and an interactive table of contents. Tools for note-taking, highlighting, annotating, and bookmarking are built into the online interactive textbooks. • Student Edition: HMH eTextbooks App (EPUB3): Offline-ready versions of the HMD Environmental Science Student Edition are available in downloadable EPUB3 format from the HMH eTextbooks App. This digital version of the print textbook delivers increased portability and embedded interactive features for use on desktops, laptops, Chromebooks, and Apple and Android tablets. The Student Edition from the HMH eTextbooks App includes digital note-taking, highlighting, and annotation tools. Additional information about the HMH eTextbooks App is at <http://www.hmhco.com/classroom/classroom-solutions/digital-and-mobile-learning/hmh-etextbooks>. • Student Edition: Downloadable PDF: A downloadable PDF of the print version of the HMD Environmental Science Student Edition are available from HMH's online platform. It can be downloaded to any compatible device for offline use. • Student Editions: Common Cartridge: HMD Environmental Science is also available in the IMS Global Common Cartridge Standard. This offering combines the high-quality curriculum with the IMS interoperability standards to deliver digital content that can be accessed in an IMS-conformant Learning Management System (LMS). The content in Common Cartridge consists of digital components such as the online textbooks and resources. It is all packaged for maximum flexibility to allow for individualization that meets the needs of all students. Houghton Mifflin Harcourt's Common Cartridge delivers the quality, consistency, reliability, and flexibility that optimize students' digital learning experience. Information about Common Cartridge is available at <http://www.hmhco.com/classroom/classroom-solutions/digital-and-mobile-learning/common-cartridge>.

Major Tool - Teacher Components Describe each of the components, including a format description.

Teacher Editions • Teacher Editions: Print editions: At every grade level, the HMD Environmental Science print Teacher Edition is well-organized, easily portable, and teacher-friendly. This hardcover text provides high-quality instructional support, robust differentiation, strategies and activities for all levels and styles of learners, and structured support for labs. • Teacher Editions: Online interactive editions (HTML5): The HMD Environmental Science Teacher Edition enhances instruction and include layers of support built into every page. The online interactive textbooks an interactive table of contents and lesson-specific professional development supports. Tools for note-taking, highlighting, annotating, and bookmarking are built into the online interactive textbooks. • Teacher Edition: HMH eTextbooks App (EPUB3): An offline-ready version of the HMD Environmental Science Teacher Edition is available in downloadable EPUB3 format from the HMH eTextbooks App. This digital version of the print textbook delivers increased portability and embedded interactive features for use on desktops, laptops, Chromebooks, and Apple and Android tablets. The Teacher Edition from the HMH eTextbooks App includes links to resources at point-of-use and digital note-taking, highlighting, and annotation tools. Additional information about the HMH eTextbooks App is at <http://www.hmhco.com/classroom/classroom-solutions/digital-and-mobile-learning/hmh-etextbooks>. • Teacher Edition: Downloadable PDF: A downloadable PDF of the print version of the HMD Environmental Science Teacher Edition is available from HMH's online platform. It can be downloaded to any compatible device for offline use. • Teacher Editions: Common Cartridge: HMD Environmental Science is also available in the IMS Global Common Cartridge Standard. This offering combines the high-quality curriculum with the IMS interoperability standards to deliver digital content that can be accessed in an IMS-conformant Learning Management System (LMS). The content in Common Cartridge consists of digital components such as the online textbooks and resources. It is all packaged for maximum flexibility to allow for individualization that meets the needs of all students. Houghton Mifflin Harcourt's Common Cartridge delivers the quality, consistency, reliability, and flexibility that optimize students' digital learning experience. Information about Common Cartridge is available at <http://www.hmhco.com/classroom/classroom-solutions/digital-and-mobile-learning/common-cartridge>.

4. IDENTIFY AND DESCRIBE THE ANCILLARY MATERIALS. Briefly describe the ancillary materials and their relationship to the major tool.

Ancillary Materials - Student Components Describe each of the components, including a format description.

Ancillary Materials - Student Components Describe each of the components, including a format description. Hands-On & Virtual Labs • QuickLabs (PDF) are bench-tested, hands-on experiences that connect to each section in a chapter. • Field Studies (PDF) are hands-on, environment-focused activities. • Exploration Labs (Word, PDF) prompt students to explore a situation or phenomenon to improve their understanding of a new concept and produce a written analysis. • Inquiry Labs (Word, PDF) require students to drive the lab activity, making decisions about topics to research and their research processes and methods. • STEM Labs (Word, PDF) are engaging online labs designed specifically to bring the application of science, technology, engineering, and mathematics into the classroom. These project-based labs incorporate team inquiry methodologies, emphasize the Engineering Design Process, and promote multimodal learning. Simulations • Virtual Investigations (HTML5) are engaging presentations, interactive activities, and simulated scientific investigations reinforce students' understanding of environmental science, as well as strengthen inquiry and lab skills. Reading & Comprehension Supports • Interactive Concept Maps (HTML5), graphic organizers (PDF), Active Reading Worksheets (PDF), and FoldNotes (PDF) strengthen students' learning and focus. Student Resources & Tools • Study Guides (PDF, print) help students review and retain the key information. • The Student Toolkit (PDFs) on the platform's Student Resources page includes graphic organizers, the Scientific Reasoning Skill Builder exercises, the Science Fair Guides, and the Writing a Lab Report resource. • The Smart Grapher (HTML5) is a powerful, easy-to-use online graphing tool. • EcoZine (HTML5) is an engaging student-centered website that provides a real-time news ticker that links to today's top science stories and special features such as Global Spotlight, EcoFacts, Case Studies, opinion polls, STEM-based career features and biographies, and various resources related to environmental science in the U.S. Test Prep • Florida Statewide Science Assessment Review and Practice Student Book (PDF and print): This resource prepares students for the content and format of Florida's state test. Full-length practice assessments are also included.

Ancillary Materials - Teacher Components Describe each of the components, including a format description.

Teacher Materials for Labs • The Labs with Teacher Notes (Word, PDF) resource contains editable versions of the student labs along with focused guidance for instruction and planning. • The Laboratory Manager's Professional Reference (PDF) is a 150-page resource for valuable guidelines and suggestions for managing labs. • The Professional Reference for Teachers (PDF) is a 180-page resource with valuable strategies from experts in science education. • The Classroom Management Resources (PDFs) delivers a collection of useful teacher and student pieces in one place, available immediately. Teacher Presentation Tools • Interactive Whiteboard Resources for each chapter are formatted for SMART Notebook and

ActivInspire Flipchart. • PowerPresentations (PPT) are pre-built PowerPoint slides (Inquiry-based format, Outline format, and Test Prep format) covering the core material of each chapter. • Teaching Visuals (PDF) are digital versions of key illustrations/diagrams. Teaching Strategies Resources • The Teacher Toolkit on the platform's Teacher Resources page has more than 200 lesson resources and tools (PDFs). • The online Teaching Strategies resource (PDF) includes select strategies from the Teacher Edition. Teacher Planning Tools • With the time-saving mySmartPlanner tool (HTML5) on HMH's online platform, teachers can quickly search for, choose, and schedule lessons and resources with just a few clicks. An auto-schedule function automatically populates the schedule for specific date ranges or for the entire year. It synchronizes with all HMH programs that a teacher may use, serving as a one-stop scheduling tool for all lessons, resources, assignments, and assessments. Assessments • ExamView Assessment Suite (HTML5) increases the ease of planning, administering, scoring, and reporting. It includes a test item bank and pre-made program assessments, and it has scoring and reporting capabilities. Assessments can be edited, and teachers may customize them in a number of ways. Complexity levels for items on pre-loaded tests and test bank items are shown. Assessments can be scheduled and administered online, and they can also be downloaded and printed. • The Assessment Guide (PDF, print) includes Section Quizzes, Leveled Chapter Tests, Alternative Assessments, and more. It also includes scoring rubrics and answers with explanations. Test Prep • The Florida Statewide Science Assessment Review and Practice Teacher's Guide (PDF, print) offers professional guidance and answer keys that correspond to the students' resource.

5. IDENTIFY WHICH INDUSTRY STANDARD PROTOCOLS ARE UTILIZED FOR INTEROPERABILITY?

HMH's educational technology supports the standards set forth by the IMS Global Learning Consortium.

6. HOW MUCH INSTRUCTIONAL TIME IS NEEDED FOR THE SUCCESSFUL IMPLEMENTATION OF THIS PROGRAM? Identify and explain the suggested instructional time for this submission. If a series, state the suggested time for each level. The goal is to determine whether the amount of content is suitable to the length of the course for which it is submitted.

This program is intended for use throughout one school year, in either a traditional daily schedule or a block schedule.

7. WHAT PROFESSIONAL DEVELOPMENT IS AVAILABLE? Describe the ongoing learning opportunities available to teachers and other education personnel that will be delivered through their schools and districts as well as the training/in-service available directly from the publisher for successful implementation of the program. Also provide details of the type of training/in-service available and how it may be obtained. (The information provided here will be used in the instructional materials catalog in the case of adoption of the program.)

Supporting Initial Program Implementation To ensure teachers have the knowledge to begin implementing their new HMH program, professional learning is provided with purchase. We understand that schools and districts need choices regarding delivery options; as a result, we offer a variety of delivery methods for this initial program learning. Clients may choose from courses listed below. Getting Started with Environmental Science Participants engage in a variety of hands-on experiences to learn about Environmental Science organization, design, and resources, through direct instruction, guided practice, and cooperative exploration, participants will experience the program's resources both from a student and teacher perspective. The goal is to build deeper understanding and confidence to begin implementing Environmental Science in their respective learning environments. Learning Outcomes: • Enrich daily instruction by applying knowledge of Environmental Science program organization and pedagogy • Support differentiation, assessment, and effective whole and small group instruction using HMH program resources and instructional tools • Enhance instructional delivery and student learning using HMH technology Audience: Teachers, Coaches, Administrators Delivery: In-person Time: Full-day, Half-day or Webinar Getting Started with Environmental Science Train the Trainer As an alternative to Getting Started, leaders and educators can choose to build capacity internally. Our specialized team of consultants helps school and district trainers deliver initial program training at their respective sites. Learning Outcomes: • Enrich daily instruction by applying knowledge of Environmental Science program organization and pedagogy • Support differentiation, assessment, and effective whole and small group instruction using HMH program resources and instructional tools • Enhance instructional delivery and student learning using HMH technology Audience: Teachers, Coaches, Administrators Delivery: In-person Time: Full-day Getting Started Leadership Webinar Designed specifically for district and school leaders and instructional coaches, the Getting Started Leadership Webinar provides an overview of the Environmental Science program organization, lesson design, and support resources. The goal is to build deeper understanding of the program's alignment to standards as well as identify key teacher and student behaviors to observe in their learning environments. Learning Outcomes • Recognize program alignment to national standards • Understand program organization and resources that support differentiation, assessment, and effective whole and small group instruction • Identify teacher and student behaviors that positively impact student achievement when observing Environmental Science classroom implementation and delivery Audience: Teachers, Coaches, Administrators Delivery: Webinar Time: 1 hour

8. WHAT HARDWARE/EQUIPMENT IS REQUIRED? Briefly list and describe the hardware/equipment needed to implement the submission in the classroom. REMEMBER: Florida law does not allow hardware/equipment to be included on the bid! However, schools and districts must be made aware of the hardware/equipment needed to fully implement this program.

Districts that choose to use the program's technology-based textbooks and components can use any of the following hardware/equipment:
Operating systems: Chromebooks Windows 7, 8.1 desktop/tablet, 10 Mac 10.9, 10.10, 10.11 iOS 8 and 9.7"+ screen Android 4.4 and 5.7"+ screen Minimum RAM: 512 MB Hard drive space needed: Core program: less than 1 GB ExamView Assessment Suite: 32 MB on PC, 28 MB on Mac CD-drive required: The ExamView Assessment Suite is installable software on a DVD-ROM. The test item banks are included in the installer. Any ExamView assessment can be uploaded to the program's online platform for online assignment and delivery.

9. WHAT LICENSING POLICIES AND/OR AGREEMENTS APPLY? If software is being submitted, please attach a copy of the company's licensing policies and/or agreements.

Attached

10. WHAT STATES HAVE ADOPTED THE SUBMISSION? List some of the states in which this submission is currently adopted.

Holt McDougal Environmental Science has been sold in all 50 states and internationally.

11. WHAT OPEN EDUCATIONAL RESOURCES RELATED TO THIS BID DO YOU MAKE AVAILABLE(S)? List and describe each of the components, including a format description. (Open Educational Resources (OER) are high-quality, openly licensed, online educational materials that offer an extraordinary opportunity for people everywhere to share, use, and reuse knowledge.)

Open Educational Resources are not included in the HMD Environmental Science program.

12. ALTHOUGH NOT CALLED FOR IN THE STATE ADOPTION, DO YOU HAVE ADVANCED PLACEMENT (AP) OR ACCELERATED PROGRAM INSTRUCTIONAL MATERIALS AVAILABLE FOR THE COURSE(S) BID FOR ADOPTION?

HMH does not offer an Advanced Placement or Accelerated version of HMD Environmental Science.

13. WHAT, IF ANY, FOREIGN LANGUAGE TRANSLATIONS DO YOU HAVE AVAILABLE?

HMD Environmental Science includes an English-Spanish glossary. The Study Guides, Chapter Audio, and family letters are available in Spanish, and assessments in the ExamView Assessment Suite are also available in Spanish.