



Program Overview







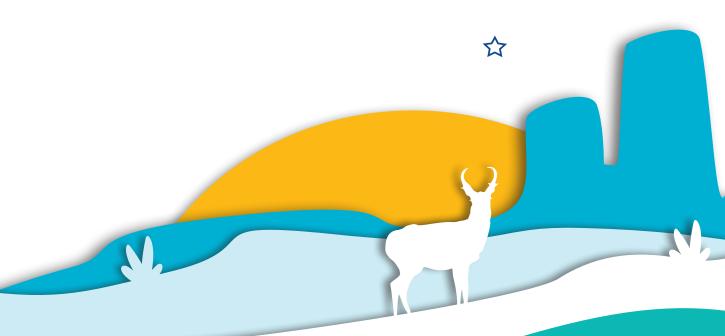


Bring Out Every Student's Inner Scientist

HMH Into Science® Texas provides students and educators with a one-of-a-kind learning experience. The TEKS-aligned curriculum allows for easy implementation of standards. Educators will save time with planning tools, multilingual learner support, and assessments that inform instruction. Students will engage in deep explorations of science phenomena through fun hands-on activities.

What's Inside

- HMH Into Science Texas: Developed for You
- Make Learning Science Fun and Engaging
- Ensure Complete Coverage of the TEKS and ELPS
- Save Time with Easy Lesson Planning
- Ensure All Students Are Supported
- Assess Students' Understanding
- Find Guided Implementation Support
- Discover Connected Teaching and Learning



HMH Into Science Texas

Developed for You

Flexible Science Instruction

The program is paced for 30-minute blocks of time, a few days per week, and rich in opportunities for student-centered learning.

Students Engaged in Science Learning

Students learn to design experiments, observe results, and support or refute scientific claims like scientists through hands-on activities.

Achieve Proficiency with the TEKS and ELPS

Each lesson focuses primarily on one Content TEKS Student Expectation. ELPS Minilessons support students in meeting English Language and Proficiency Standards.

Easy-to-Implement Comprehensive Solution

Point-of-use lesson planning support in the streamlined Teacher's Guide makes planning simple. Educators can teach directly from the digital Student Interactive Lessons.

A Fully Equitable Spanish Experience

HMH; Arriba las Ciencias!® Texas provides all program components in Spanish and was developed using transadaptation to support Emergent Bilinguals.

My students need to have the knowledge and skills necessary to achieve proficiency with the TEKS."

Authors and Consultants Who Understand Texas Educators' Needs



MICHAEL DISPEZIO Global Educator



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How can you make learning science

fun and engaging?

HMH Into Science Texas engages students in exploring everyday phenomenon through handson activities that bring science to life. Lessons follow an activity-before-content approach and are structured around experiences that lead students through the productive struggle necessary for sensemaking. Fun and colorful elements like the FUNomobots engage young learners.

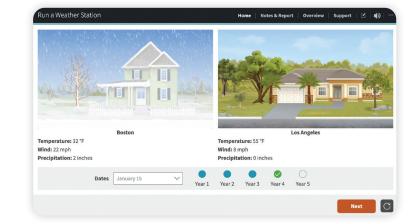


Hands-On Activities:

- Drive each exploration as students make and revise claims supported by evidence-based reasoning
- Are fun, short, and easy to conduct with materials that are readily available
- Assist students in learning to design experiments and observe results
- Emphasize **student collaboration** and discourse
- Include "Engineer It" versions that engage students in engineering concepts, practices, and vocabulary.

FUNomobots!

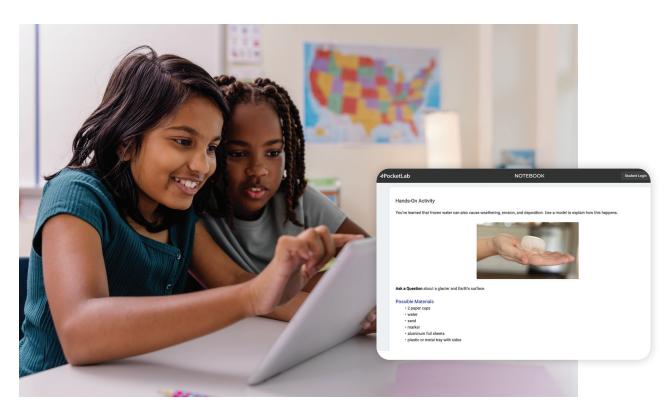
You Solve It! Simulations provide engaging, virtual lab experiences for students to use technology like a scientist, collect and analyze data, and share their evidence in a report.



♣PocketLab

Access ALL Activities in PocketLab Notebook!

Through an exclusive partnership with **PocketLab**® in the Texas science adoption, every *HMH Into Science Texas* hands-on activity is available in *PocketLab Notebook* and organized by the TEKS.

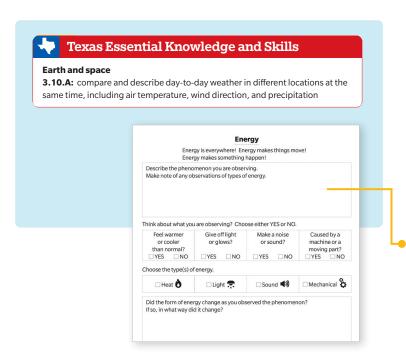


- Each hands-on activity within *PocketLab Notebook* provides opportunities for enhanced student engagement. Working individually or in groups, students can collect and record data and respond to each other in real time.
- Flexible, collaborative, and responsive data collection features make visualizing and analyzing live data easier for students.
- Educators can effortlessly customize hands-on activities, assign them to individual students or groups, and track student progress in real time.



How can you **ensure complete coverage** of the TEKS and ELPS?

HMH Into Science Texas received extensive Texas educator testing. The result? This comprehensive program includes the necessary support to meet the needs of a Texas science classroom. The TEKS-based organization of HMH Into Science Texas provides a flexible structure that can be re-arranged to meet your needs.



TEKS-Based Lessons

Each lesson begins with a phenomenon that relates to the TEKS Student Expectation being covered. Lesson content:

- Addresses the TEKS breakouts
- Reinforces the concepts needed to understand the phenomenon
- Closes by revisiting the phenomenon
- **Science Themes Organizers** scaffold students, use of key Recurring Themes and Concepts to support sensemaking within and across lessons.

New Standards Are Clearly Labeled

Since this is a three-dimensional curriculum, it also covers the Scientific and Engineering Practices (SEPs) and Recurring Themes and Concepts (RTCs). To support educators in implementing these new standards, they are clearly labeled with point-of-use support within the Teacher's Guide.

Scientific and Engineering Practices

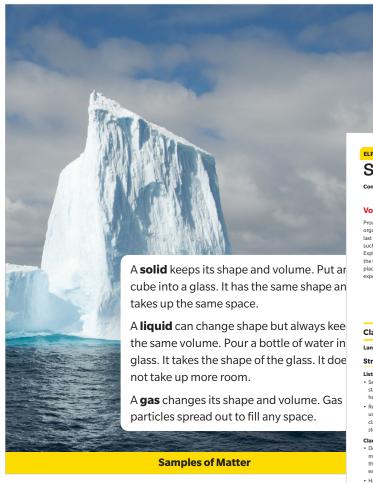
- **3.1.C** demonstrate safe practices and the use of safety equipment during classroom and field investigations as outlined in Texas Education Agency-approved safety standards
- **3.1.D** use tools, including hand lenses; ... Celsius thermometers; wind vanes; rain gauges; ... materials to support digital data collection such as computers, tablets, ... to observe, measure, test, and analyze information
- **3.1.E** collect observations and measurements as evidence

- **3.1.F** construct appropriate graphic organizers to collect data, including ... bar graphs
- **3.2.B** analyze data by identifying any significant features, patterns, or sources of error
- **3.4.A** explain how scientific discoveries ... impact .. society

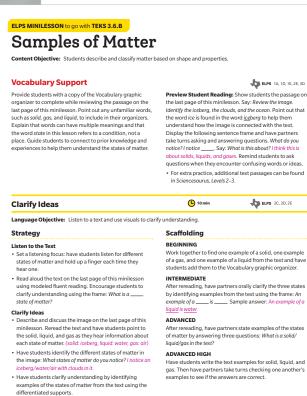
Recurring Themes and Concepts

- **3.5.A** identify and use patterns to explain scientific phenomena or to design solutions
- **3.5.C** use quantity to describe, compare, or model different systems

Flexible ELPS Minilessons



Short, engaging, and effective minilessons support educators in teaching the science ELPS. The minilessons can be taught within the sequence of the science lesson or used during ELA time to support future science instruction.



Students should divide 30 cm of rainfall by 5 cm per hour to determine how many hours it will take for the river to flood. Alternatively, students could use multiplication by treating the problem as a missing-factor problem (5 cm \times ? = 30 cm).

Support for Student Answers

Do the Math: Will the river flood? If so, how many hours will it take to overflow? Sample answer: In 6 hours, there will be 30 total centimeters of rain.

STEM and Cross-Curricular Connections

Do the Math; Read, Write, Share; and Language SmArts features connect directly to the content of the lesson while integrating ELA and math skills into the science learning process.

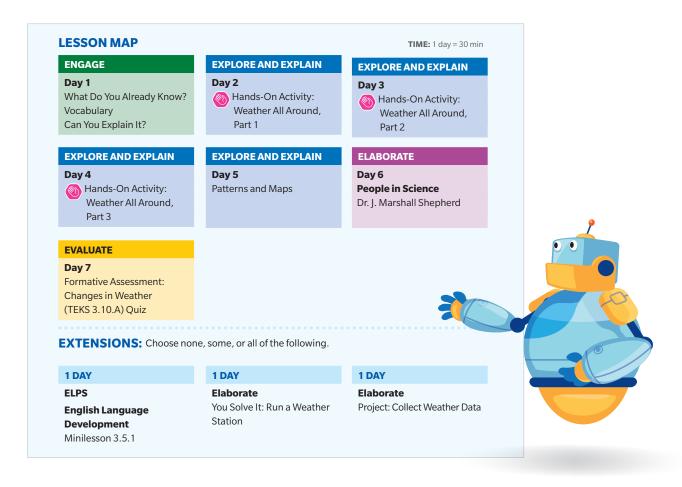




How can you save time with

easy lesson planning?

Lessons and corresponding lesson support in *HMH Into Science Texas* follow the **consistent and familiar 5E structure** for a predictable classroom routine. This structure allows for a **streamlined Teacher's Guide** and minimal planning. Additionally, student experiences and observations drive classroom learning, taking the pressure off educators to "know" or be able to "tell" all the information.

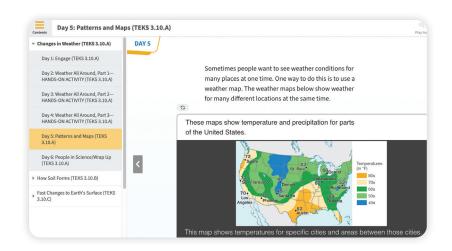


Easily Save Time with Built-In Planning Tools

The "**Lesson at a Glance**" shows you the Lesson Map of learning pieces as well as available extensions and assessments via a simple pacing tool. Texas educators who are already implementing *HMH Into Reading® Texas* will find connections called out, when available, within the Teacher's Guide planning pages.

Maximize Student Learning Time

All students are supported with handson activities and science readings in **30-minute blocks of time**—so there is always time for science. Educators can teach directly from the **digital Student Interactive Lessons**, with no need to build their own slide presentations. The interactive lessons work well in any class setting.



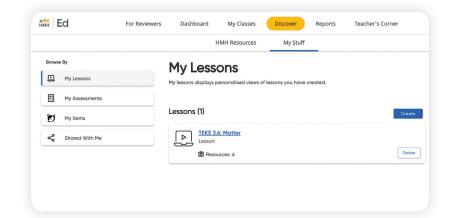


All You Need for Hands-On Fun!

Grade Level Kits that contain consumable and nonconsumable materials **reduce preparation time** and make hands-on activities easy for educators to conduct with students.

Easy-to-Access Classroom Essentials

The MyStuff section on HMH Ed™ allows educators to organize the resources they plan to use so they're always at their fingertips to assign to students and share with colleagues!



How can you ensure

ALL of your students are supported?

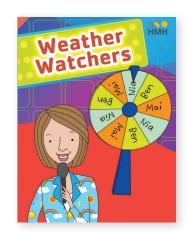
HMH Into Science Texas includes built-in supports to help educators meet all learners where they are and scaffold them for success. The Teacher's Guide makes supporting students easy by indicating when and where to use these supports.

Differentiation: Challenge

A rain gauge works for measuring precipitation in the form of rain. But what if your students live where there is a lot of snow. Challenge them to come up with a system for measuring the quantity of snow. Sample answer: We could stand up a meterstick on the ground and measure the quantity of snow in inches or

Sources of Error: Have student identify the unit of length abbreviated in the table and graph (centimeters) and compare it to the units they used to record precipitation (inches or centimeters).





- Support differentiation and sensemaking with the Grade K Big Book of FUNomenal Read-Alouds and FUNomenal Readers for Grades 1–5.
- Challenge students with assessments that use a scaffolded approach—with simpler questions and items followed by more difficult ones.
- Help students internalize new words and organize academic vocabulary with Language Development Worksheets and Vocabulary Anchor Charts.
- Motivate students to manage information effectively, communicate scientific findings, and express understanding using Writing Graphic Organizers.

I need a solution that offers ALL teacherand student-facing components in Spanish."



Equitable **Resources for ALL**

English Language Proficiency options and Language X-Ray support vocabulary and language acquisition for all students, including Emergent Bilinguals. For a completely equitable Spanish experience for Emergent Bilinguals, EVERY student- and teacher-facing component is available in Spanish in the HMH ;Arriba Las Ciencias! Texas curriculum.

Compare and describe day-to-day weather in different locations at the same time, including air temperature, wind direction, and precipitation.

Use these routines to support emergent bilingual students throughout the lesson:

DAY 1 (L) 15–20 minutes

Introduce terms and language structures, and explicitly model how to use them. Then have students follow your models to practice using language.

Have students express their knowledge in ways that are accessible to them, such as

- writing a term in another language they know, then looking it up in a bilingual dictionary to confirm the
- using visuals, gestures, and other nonverbal cues to reinforce or express understanding

Repeat modeling as needed with appropriate scaffolds for different language proficiency levels.

Language Objective

Orally describe and compare the properties of different types of matter through science investigation with peer collaboration. Write about these properties. ELPS: 3H, 4C

ALL OTHER DAYS (L) as needed

Reinforce vocabulary and language structures including signal words and sentence frames, to

- give students additional practice using oral, written, or nonverbal language to demonstrate their understanding and interact with peers
- · confirm students' understanding of the target concept(s) and gauge their progress on the language development continuum

Targeted strategies, routines, and practices to support emergent bilingual learners are supplied through the Language X-Ray and/or the ELPS minilesson associated with this lesson (see the Ed Online box above)

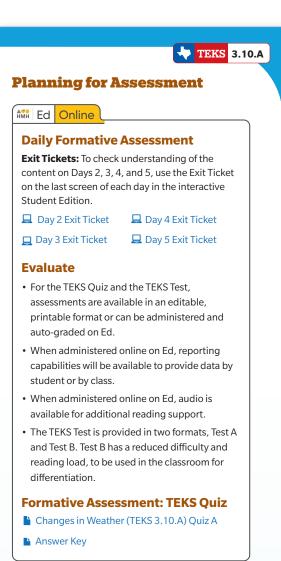




How can you assess

students' understanding?

Educators need a constant gauge of students' understanding to ensure that they have the knowledge and skills necessary to **achieve proficiency with the TEKS**. *HMH Into Science Texas* assessment options give Texas educators **maximum flexibility in assessing** their students.

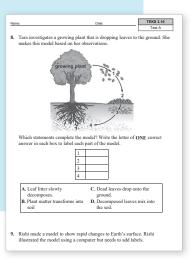


Lesson planning assessment support and point-of-use support for student answers can be found in the Teacher's Guide.

Meet the TEKS and Prep for State Tests

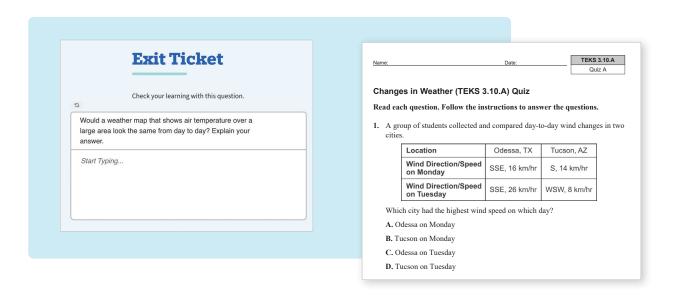
Assessment items often intertwine the TEKS with SEPs and RTCs to ensure that students can **demonstrate proficiency with all 13 TEKS** and to prepare them for the types of items they will see on the redesigned State Assessment.

Since the SEPs and RTCs are new to the TEKS, a **Skills Bank** provides additional options for assessing them. Educators can **create their own assessments** using these items or **customize existing assessments** to include them.



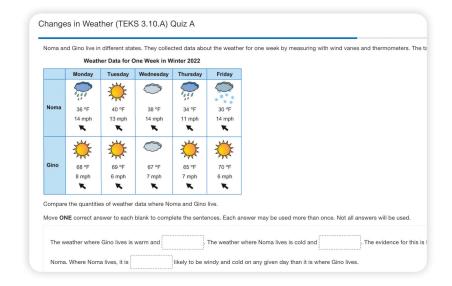
Assess to Improve Teaching and Learning

Formative and ongoing assessments support educators in assessing student learning and addressing misconceptions. These formative assessment opportunities, including classroom discussions, Check Your Learning Exit Tickets, and TEKS quizzes, **eliminate the guesswork** around if and when to modify instruction.



Choose the Tools that Best Support You

Quizzes and tests are available online with auto-grading and detailed reporting. They are also provided in printable PDF format and editable Word formats—allowing educators the choice of assessing students digitally, in print, or a combination of the two.



Where can you find

guided implementation support?

Are you looking for a partner to collaborate side by side with your district? HMH Into Science Texas includes unlimited implementation support to create meaningful professional learning experiences that support you in achieving your teaching and learning goals.

Getting Started with HMH Into Science Texas

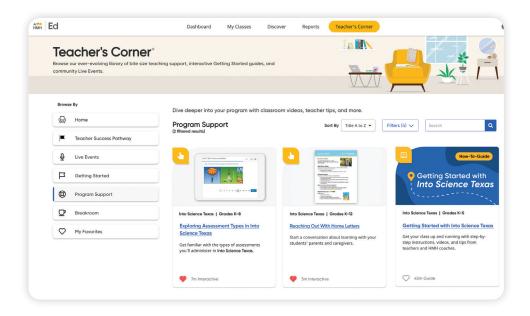
Build community and prepare for your first week of lessons during a Getting Started session. This session kicks off your HMH Into Science Texas implementation with a preview of the first week of lessons, guidance in navigating Ed, and an introduction to the personalized learning available to you.

Build Confidence in 30 Days

Your recommended Teacher Success Pathway on Ed is personalized professional development that supports the way you teach. Choose from live or on-demand sessions designed to fit your busy schedule. Pathway resources help Texas educators plan, teach, and assess learning using their new HMH Into Science Texas program.

Explore Teacher's Corner®

Support continues throughout the year with our searchable library of articles and videos. live online events, on-demand recordings, and so much more!



I need a flexible science program that allows me to make the most out of the time I have."

Flexible Professional Development

Our Coaching Membership, available at an additional cost, allows you to partner with an instructional coach to meet your district's specific needs. Our professional learning provides the perfect opportunity to focus on standards-aligned instruction and practice.

A Year-Long Coaching Membership Includes:

- Personalized instructional support based on unique teacher needs
- · Guidance that helps teachers set, track, and accomplish goals
- · Flexible scheduling to align with a PLC or PD plan



HMH also offers Leader Live-Online Sessions, at an additional cost, to prepare school and district leaders to implement their new HMH Into Science Texas program successfully in the first 30 days. The session includes an overview of the program's instructional model and resources, assessments, and Ed, the HMH program platform. Recommendations for instructional time, program essentials, assessment guidelines, and a timeline for professional learning are discussed collaboratively. Leaders receive tools to help understand what to look for during instruction to better support teachers in implementing the program with integrity.

Nationally Recognized

Did you know HMH Professional Learning has been nationally recognized for our ability to support implementation and provide ongoing teacher and leader professional development?



For more information, please visit us at

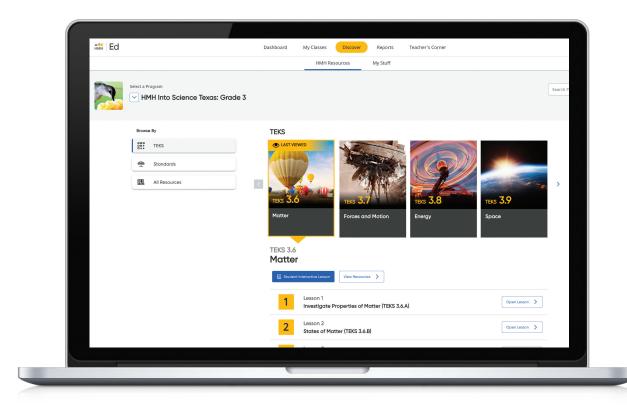
hmhco.com/professionalservices

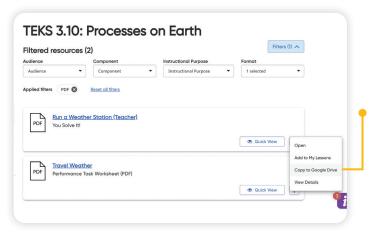


How will you

connect it all together?

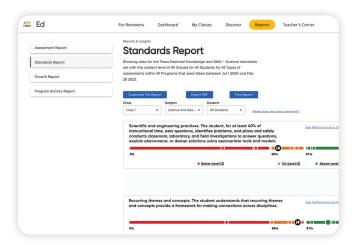
HMH Into Science Texas resides on Ed, the HMH Learning Platform, which combines the best of technology, content, instruction, and professional learning to support each moment in a student's and teacher's journey. With Ed, educators can easily create lesson plans, deliver instruction, and customize and assign assessments.

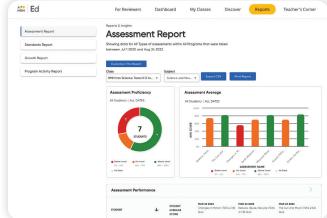




To further support planning and instruction, *Ed* offers assignability and compatibility with these platforms:

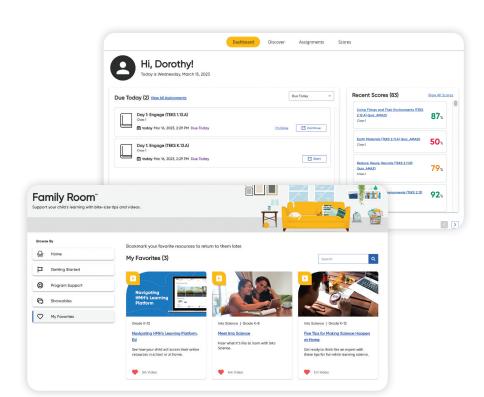
- Google Drive[™]
- Google Classroom
- Canvas®
- Schoology®





Effortlessly Connect Assessment to Instruction

Once assignments are completed, *Ed* can **auto-grade** them and **deliver actionable data** to inform instruction. *Ed* can also group students and recommend targeted differentiation or allow educators to **customize groups** based on student assessment performance.



Accessible Support for Student Learning

From Ed, students can view all their digital, student-facing resources and connect to PocketLab Notebook. They can also access the status and due dates of their assignments and the scores on those they have completed. Family Room™ provides caregivers resources to support their student's learning.











To learn more or to get a sample, visit:

hmhco.com/TXscience

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