

Classroom Curriculum

A complete program must include teacher-friendly and student-friendly resources that allow the teacher to effectively deliver the content in a manner that will allow students to excel. Each of these resources is practical and can be integrated into the classroom immediately.

Each Participant (Teacher) Receives A Comprehensive Set Of Proven Classroom Resources:

Teacher Resources

Teacher's Desk Reference™ (Grade Level Specific)

In today's classroom, it is imperative that we increase the Critical Thinking Skills of our students. Our all-in-one **Teacher's Desk Reference™** provides you with a Critical Thinking Reference Guide that includes all the information you need, in an easy-to-read format, right at your fingertips. Each guide was developed by master-level teachers and has valuable grade level specific information that allows you to build Critical Thinking Skills into every lesson. Each guide includes the TEKS, Bloom's Taxonomy, Key Words, Questioning Prompts to build Critical Thinking Skills, subject glossaries, a critical thinking check list, and everything else a teacher needs to prepare for TAKS success.

Know It All™

Know It All™ is a fun and interactive way to increase student success in the classroom and beyond! Uniquely designed to address a variety of learning styles and modalities, **Know It All™** contains discipline specific, high-order questions that prompt students to respond by drawing, performing, thinking orally, or working within a group to discover answers. Available for Language Arts, Math, and Science, this resource allows teachers to get the most out of any down time during the instructional day. With TEKS correlations for each question, every teacher has TAKS prep right at their fingertips.

Digging Into TAKS Science™

This dynamic resource, authored by National Board Certified Teachers, will demonstrate and enhance your students' understanding of the scientific method and process skills necessary for TAKS Science success. Our science explorations and hands-on activities will intrigue your students' curious minds and pique their interest in Science. Each inquiry-based activity is exactly correlated to the TAKS Science TEKS and can be used along with your existing Science curriculum. This resource is available for elementary and high school. **Digging Into TAKS Science™** is an essential resource for every teacher looking for inquiry-based activities to prepare their students for TAKS Science success!

Integrating Science Into the Classroom™

These resources were created first and foremost to encourage hands-on classroom Science experiences. Children need to have experiences before they can understand new Science concepts. With that in mind, every section of the book is packed with experiments correlated to the TAKS Science Objectives. In addition, other activities that integrate Math, Reading, Social Studies, Technology, and Writing are included to encourage Science development across the curriculum. Teaching through an integrated framework is not a new idea, but it is becoming increasingly necessary as new requirements and accountability measures are placing a greater strain on educators with each passing day. **Integrating Science Into the Classroom™** gives teachers a quality resource to turn to that can help them meet the demands of systemic accountability as well as meet the individual needs of their students in the classroom.

Student Resources

Reading First Through Science™ (Class Set of 25)

Reading First Through Science™ is a student book that integrates Science into Reading. This unique supplemental resource saves valuable instruction time by simultaneously addressing both Science and Reading objectives. Each student book incorporates a variety of engaging and informative stories followed by questions that will assess how well students know and understand identified TAKS Science and TAKS Reading Objectives. **Reading First Through Science™** will also promote the development of Critical Thinking Skills in the classroom while addressing the five Reading requirements set forth by No Child Left Behind: Phonics, Phonemic Awareness, Vocabulary, Fluency, and Comprehension.

Technology Resources

Pathways 4 Science™

To prepare teachers for success in the information age, technology must become a tool every teacher can use effectively. Developed with the input of hundreds of classroom teachers, **Pathways 4 Science™** comes packed with tutorials, lessons, activities, and assessments that were carefully designed to help students learn today's most important scientific concepts.



Exploring Earth Science™

A Highly Customized Program Designed to Maximize Learning Gains in Earth Science!

Aligned to the TEKS

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Educational Tools' reputation for helping teachers maximize learning gains in Earth Science is second to none. Our **Exploring Earth Science™** program focuses on giving teachers the strategies and skills they need to prepare today's students for success. Together our classroom experience, in-depth research, quality product development, and program implementation make us the industry leader in the fields of Earth Science.

Exploring Earth Science™ is highly effective, research-based program that is built around a professional learning community. It was designed, reviewed, and tested by earth science experts to make sure that it maximizes each student's learning potential. **Exploring Earth Science™** is designed to effectively reach all students by addressing all cognitive levels and learning modalities throughout the program. It is a complete program that is structured to work alongside your existing curriculum, even if a textbook is adopted. It can also act as a stand alone program for districts where no textbook is available.

Exploring Earth Science™ will focus on all the assessed Earth Science TEKS on the 5th grade TAKS. The program will help teachers focus on the Earth Science questions and how to get students to the higher cognitive rigor to achieve excellence on the test. During our initial professional development teachers will be exposed to hands-on earth science activities correlated to the assessed TEKS. Teachers will walk away with an excitement for enhancing their students' earth science content knowledge.



Research tells us that an effective curriculum based program must include a variety of learning components. **Exploring Earth Science™** is a comprehensive program that includes face to face professional development, on going coaching and mentoring, peer learning, classroom resources for teachers, that all help facilitate the professional learning community.

Partners:



Professional Development

Since nearly everything we do each day is connected in some way to Earth: to its land, oceans, atmosphere, plants, and animals, we can help students understand and appreciate our complex planet. Using the earth sciences in your curriculum provide an integrated and interdisciplinary approach to a true understanding of our planet. Research states that earth science also improves critical thinking skills and helps us predict future events.

Our initial face-to-face staff development training will have a significant impact on your students' earth science achievement. We will work together to target areas of greatest need and specific strategies for increasing learning gains in Earth Science. Resource training to be interwoven throughout the session but the focus of the training will be how to design and deliver a classroom curriculum that provides quick, measurable results. It will include student expectations and assignments for participating teachers to ensure that program is being carried out.

Coaching and Mentoring Program

Effective Professional Development must include an ongoing component that allows teachers to have assistance while they implement new concepts into their daily curriculum. Each teacher in the program will be assigned a mentor that they can contact 24/7 with questions on implementation of the program, use of resources, curriculum ideas, and best practices, or just for a second opinion. Each of these mentors are master level educators and Presidential Award winners who have many years of classroom experience and are considered experts in the fields of Science and Literacy.



Peer Learning Community

Research has also shown that one of the most effective learning environments is peer learning. The program will include online blogs and message boards where the teachers can compare notes with their peers, share best practices, and ask questions. As a part of our connection with Building a Presence for Science (**NSTA**) our peer learning community will be composed of over 10,000 science experts across the country.

