

THE SANGARI DIFFERENCE:

Support for Real Teaching



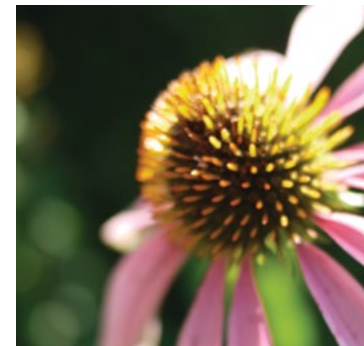
sangari **active science**
THINK. DO. LEARN.



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How long has it been since you received quality training in teaching science? How confident are you that you fully understand the fundamental concepts necessary to teach elementary school biology, chemistry, or physics? If it has been too long, Sangari's unprecedented professional development program may be just what you need.

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Through this unique training program, you'll learn to become comfortable with not knowing precise answers. Not knowing leads to curiosity, discovery, and action. The Sangari Active Science program capitalizes on teachers' innate love of the unknown and empowers faculty and staff to build their own understanding.

OUR PROGRAM IS FOCUSED ON SCIENTIFIC THINKING, WHICH INSPIRES IN-DEPTH UNDERSTANDING. TEACHERS EXPLORE FUNDAMENTAL SCIENCE IDEAS SUCH AS "WHAT IS ELECTRICITY?", "WHAT IS FIRE?", OR "WHAT ARE ALL THINGS MADE OF?" WHEN THEY UNDERSTAND "BIG IDEAS" SUCH AS THESE, THEY CAN PROMOTE HIGHER LEVELS OF STUDENT LEARNING IN THE CLASSROOM.

Relevant, Ongoing Professional Development

Our professional development is organized to help teachers where it matters most: in their classrooms and schools. We offer eight days of onsite professional development in year 1—to orient teachers to the materials, inspire active forms of learning, and offer a helping hand as actual lessons are taught. In addition, we provide four additional days of support for each year of the five-year implementation.

The training is organized so that by the time teachers finish, they have grasped the big ideas of each lesson and have proven techniques for transferring their knowledge to students.

Our embedded training is rooted in making fundamental science concepts and skills meaningful, understood, and remembered. Teachers know that teaching for understanding is more demanding... and much more rewarding.

That is the promise of Sangari Active Science.

It Starts with a Standards-Based Curriculum

We deliberately focus on the fundamentals of science. Rather than try to superficially cover a plethora of science topics, Sangari's program explores three-to-four in-depth, thematic explorations a year through exciting lessons that may last up to 45 school days.

Our programming is structured around students offering their own hypotheses about a Big Idea, collecting and analyzing data, discussing and defending their ideas, and modifying them as needed.

Teachers are there every step of the way, guiding student investigative research and ensuring that students are fully engaged in the content.

Just-in-time Videos and Other Instructional Resources

For each lesson, we provide teachers with an informative video (no longer than 10 minutes each) that helps to explain all of the key concepts. Each video is filled with useful teaching tips as

well as background on the key science ideas, arming teachers with the necessary background knowledge to answer any subject-specific science question.

In addition, our materials are designed by teachers for teachers:

- **Student books** Workbooks that introduce students to the key concepts of the lesson and provide engaging activities to help them master the core content.
- **Teacher books** Keyed to the student books, the teacher books guide teachers through the process of planning, preparing, presenting investigations, extending, and reflecting on each of the lessons in a unit.
- **Web portal** Our secure web site provides teachers with a collaborative virtual environment that encourages interactions among participating educators and schools, as well as providing other resources for teaching and learning our methodology and content. Personalized for each participating school, the portal enables teachers and others to exchange work with peers and view data related to their own schools and districts. The portal also enables Sangari Active Science to provide real-time follow-up for classroom implementations.

Timely Logistical Support

Rather than caring for the tedious details of managing an integrated unit full of hands-on learning materials, we want to free up teachers' time to work with their students. To accomplish this, Sangari Active Science provides an additional support person to help the teacher with the logistics, pre-work, setup, and clean-up of all investigations and lessons.

A Commitment to Customization

We customize our professional development framework to the preferences of each district.

Schools vary widely, even within districts, so the Sangari Active Science curriculum has the built-in flexibility to meet each school's unique needs. Everything is provided for a successful implementation, including all necessary equipment and materials, customized professional development, and operational follow-up.

We are most effective when schools and districts see the program as an integral part of their culture and instructional focus, not just another off-the-shelf curriculum. That's why we insist that our district partners make the necessary upfront commitments to the professional support that teachers need.

Moreover, our program is culturally responsive to diverse student populations and our professional development and implementation support reflect this value.

Sangari Active Science

Relevant, Engaging, Hands-On Instruction

We provide the world's leading investigation-centered integrated science program, serving over 500,000 students in North and South America.

Our curriculum is deliberately structured to take advantage of children's natural curiosity. Instead of a traditional approach that relies on lectures and textbooks and reinforces an artificial division among biology, physics, and chemistry, Sangari Active Science has students spend their time doing interdisciplinary investigations that are organized into 36 modular units.

Within each module, students conduct a number of experiments, each lasting from a few days to a few weeks: asking questions, debating answers, proving and disproving hypotheses, writing up conclusions in their science journals, and regularly showing what they know.

Learn more at www.sangariglobaled.com



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