

Sangari Brings Science to Life



Leave the Textbooks Behind

This fall, Sangari Active Science introduces a new world-class, rigorous, hands-on science curriculum designed to challenge and excite middle school students in grades 6 through 8.

The program, which transforms teenagers into scientists, was developed over a decade by science education, literacy, and learning science specialists from the University of Michigan, Northwestern University, and the Weizmann Institute of Science, and is supported by funding from the National Science Foundation. Students investigate questions relevant to their lives — “How can I make new stuff with old stuff?” — by developing hypotheses, examining models, collecting data, and conducting experiments.

Lessons are organized into thematic units such as Physical Science: Can I Believe My Eyes? or Life Science: What Goes on Inside Me?, integrating the fundamentals

of Physical Science, Life Science, Earth and Space Sciences, and Chemistry. Sangari believes students learn best by delving deeply into fewer carefully selected topics. Examples include:

- Sixth-graders learn about species interactions in ecosystems by investigating data from real-world examples of invasive species in lakes
- Seventh-graders explore properties, chemical reactions, and the conservation of mass by creating an everyday item, soap, from fat and sodium hydroxide
- Eighth-graders race, jump, and crawl around the classroom to measure properties of motion and create graphs based on physics equations
- Eighth-graders use a computer program to investigate a drop in the Galapagos Islands’ finch population

By referencing real-world experiences and using technology, science lessons are no longer an add-on to reading and math. Sangari’s learning-by-doing pedagogical approach — paired with the expertise of University of Michigan Professor Joe Krajcik and Assistant Research Scientist LeeAnn Sutherland, Northwestern Professor Brian Reiser, and Weizmann Institute Senior Scientist David Fortus — engages students as active learners and makes science come alive.

Sangari Produces Measureable Outcomes

Sangari’s progressive middle school science curriculum aligns to the Framework for New Science Education Standards, rigorous new national learning goals. This ensures students will gain understanding of big ideas of science and scientific practices as they prepare for state-mandated tests. Sangari captures students’ imaginations to help them develop problem-solving skills needed to compete in a global society.

“Sangari helps address the crisis at the middle school level. IQWST can be a critical part of the solution: engaging kids, specifically early adolescents, in a way that keeps them excited and building skills for college, career, and lifelong learning.”

— Rajeev Bajaj, President,
Sangari Global Education



The curriculum, dubbed **Investigating and Questioning our World through Science and Technology**, or **IQWST** (pronounced i-quest), is designed to teach science effectively to diverse students with a range of prior knowledge. This flexible curriculum meets teachers and students where they are. That adaptability, coupled with tools that enable educators to measure how and what students are learning through rigorous, standards-aligned assessments, make Sangari's middle school science program the most comprehensive, inquiry-based product available to schools and districts in the United States.

While Sangari's new science curriculum will prepare students for state tests, the Sangari approach goes much deeper than taking an exam. In every lesson, students are encouraged to engage in real scientific inquiry, undertaking explorations and investigations that challenge and excite them. Sangari's thematic approach extends beyond science, with interdisciplinary connections to reading, math, and other content areas.

Sangari's integrated learning, plus support of teachers in tracking student progress, leads to better-prepared

students eager to pursue science in high school, college, and careers.

Comprehensive, Inquiry-based K-8 Science Education with 24/7 Support

With Sangari's hands-on approach and rich investigative materials, teachers don't have to be science experts. Teachers of all specialties can use Sangari's integrated program to prepare and lead engaging and effective science instruction in their classrooms. High-quality content, investigative materials for all students, and embedded professional development make Sangari the only K-8 science program that partners with districts and schools to dramatically improve student outcomes in science.

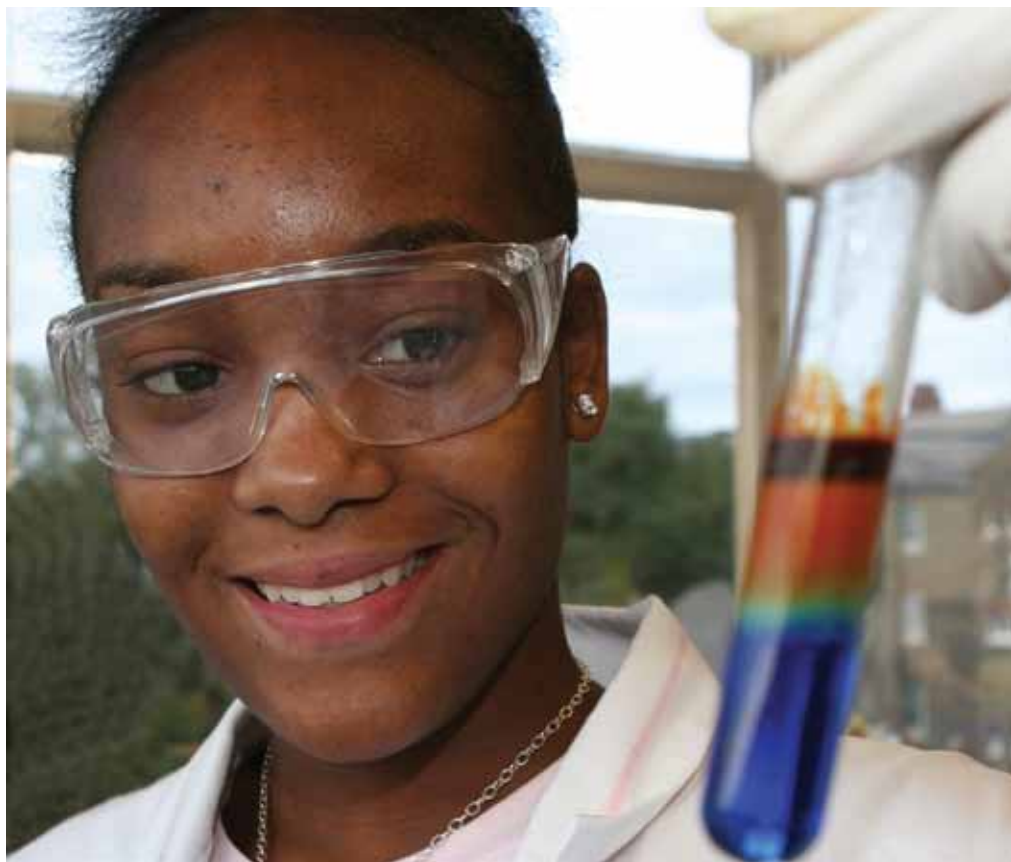
Kits include safety equipment and materials students need to conduct experiments. This is supplemented by Sangari's in-depth teacher and student materials and digital resources. Sangari offers teachers extensive professional assistance through on-site help and 24/7 web support to help them plan lessons and answer last-minute questions.

Unlike a textbook, Sangari can adapt and update content to reflect evolving learning standards, current events,

and emerging technology, providing students a dynamic, substantive learning experience. Plus, the Sangari-IQWST collaboration is structured to maximize cost-effectiveness for budget-conscious school districts of all sizes: Kits can be rotated in varying sequences among classes, nonperishable materials can be reused, and consumable materials (such as plants or specimens) can be replaced.

IQWST builds upon Sangari's deep science education expertise. Sangari Active Science provides cutting-edge science materials to more than 25,000 students in 1,000 classrooms in a number of states across the country, in addition to more than 1,000 schools around the globe.

Sangari Active Science is part of Sangari Global Education, a mission-driven education services company that believes quality, investigation-centered science education is a critical enabler of human potential and can improve life outcomes for children. Sangari offers rigorous elementary and middle school science education products and services to schools in the United States, Argentina, and Brazil and serves more than 500,000 students worldwide.



To learn more about how Sangari's collaboration with IQWST can spark your students' scientific imaginations, contact Sangari at:

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