



## **Sangari Active Science Unveils Middle School Science Curriculum Developed in Collaboration with University of Michigan and Northwestern University**

NEWYORK—**Sangari Active Science** today announced its world-class, rigorous middle school science curriculum, developed in collaboration with science education, literacy, and learning science specialists from the **University of Michigan, Northwestern University**, and the **Weizmann Institute of Science**, and made possible through funding from the **National Science Foundation**.

Dynamic lessons activate hands-on learning techniques to engage students in exploring the fundamentals of Physical Science, Life Science, Earth and Space Sciences, and Chemistry. By formulating hypotheses, conducting experiments, examining models, and sharing findings with their peers, students are encouraged to ask scientific questions relevant to their lives — “How can I make new stuff from old stuff?” — and search for the answers. These inquiry-based lessons are coupled with both high-quality investigative materials for all students and embedded professional development and helpful digital resources for educators.

“We believe engaging kids’ natural curiosity and stoking a passion for scientific learning at the elementary and middle school levels is the best way to educate our way to a stronger future,” said Rajeev Bajaj, President, Sangari Global Education.

Lessons are organized into thematic units such as Physical Science: Can I Believe My Eyes? or Life Science: What Goes on Inside Me?, integrating different scientific disciplines. Sangari believes students learn best by delving deeply into a focused set of fundamental scientific concepts — “big ideas” that build students’ science skills. 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

The science curriculum, dubbed **Investigating and Questioning our World through Science and Technology**, or **IQWST** (pronounced i-quest) aligns with the Framework for New Science Education Standards, rigorous new national learning goals. Shaped over more than a decade by leading experts in science education, literacy, and learning science, IQWST’s connection to the Framework ensures that students gain understanding of big ideas

of science and scientific principles as they prepare for state-mandated tests. IQWST's inquiry-driven philosophy helps students get excited about science through real-world experiments, not just memorizing facts for an exam. IQWST captures students' imaginations to help them develop the problem-solving skills needed to compete in a global society.

IQWST is designed to teach science effectively to diverse students with a range of prior knowledge and experiences. The flexibility of the 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, makes Sangari's middle school science program the most comprehensive, inquiry-based product available to schools and districts in the United States.

"Sangari helps address the crisis at the middle school level," Bajaj said. "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."

A variety of suburban and rural school districts, and urban schools in Chicago, Detroit, and Washington, D.C., have successfully piloted IQWST.

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, 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 lessons and content to reflect evolving learning standards, current events, and emerging technology, providing students a dynamic and 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.

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**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.

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