
BRING SCIENCE & TECHNOLOGY TO LIFE
ARIZONA SCIENCE CENTER
STRATUM
LASER TAG AND FAMILY ENTERTAINMENT CENTER
EST. 1999
STEM AT STRATUM
EDUCATION PROGRAMS
www.stratumHQ.com • 480.545.5500

STEM AT STRATUM EDUCATIONAL FIELD TRIPS

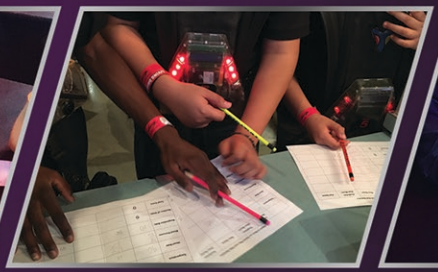
Stratum offers a variety of interactive educational experiences that bring learning to life for K-12 students. An Arizona Science Center Instructor will teach & facilitate the programs through hands-on demonstrations & experiments. Students are encouraged to utilize creativity, collaboration, and critical thinking to understand and relate to the concepts that are presented. Programs provide a rich learning experience, support content standards, & create excitement!

PROGRAMS INCLUDE:

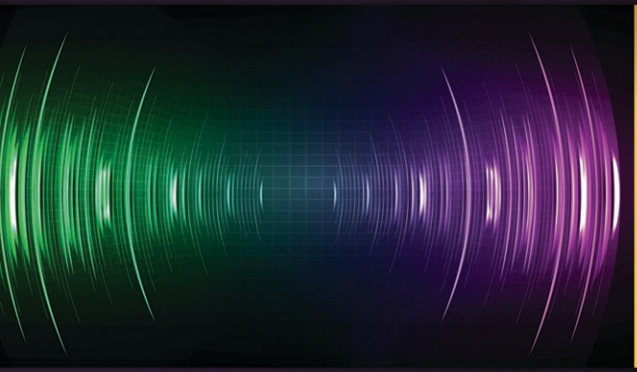
- ☑ Pre & Post Field Trip Activities (available upon request)
- ☑ Interactive Student Notebook
- ☑ Arizona Science Center Membership for Each Teacher
- ☑ Stratum Teacher Discount Card

EDUCATORS & PROFESSIONALS WILL LEARN HOW TO INTEGRATE STEM INTO TODAY'S CLASSROOMS

During these programs, Educators experience student directed, project-based learning and STEM instruction as they learn alongside their students. These programs model inquiry and STEM instruction in order to provide opportunities for Educators to Create, Relate, and Innovate with the latest trends in STEM Education.



Through a partnership between Stratum & Arizona Science Center students can now experience innovative educational field trips. STEM at Stratum programs bring learning to life through educational play that incorporates laser tag technology!



SCIENCE OF SOUND

Both light and sound are forms of energy that travel in waves, but they behave differently. Students will explore some of these differences between light and sounds by using hands on explorations to see sound and observe waves.

FOR MORE INFORMATION, PRICES, OR TO SC

LASER REFLECTION REFRACTION

Students will learn about the light spectrum and light behavior through interactive exploration of reflection and refraction. By observing how light behaves as it passes through different materials, students will work together to apply their knowledge and improve their laser tag game.

LASERS & LIGHT WAVES

Students will explore light waves and how they relate to laser tag. Students will observe different types of light and how they interact with diffraction gratings and polarizing film. Using their new knowledge, students will be asked to hypothesize how changing the light we see impacts our laser tag game play.

ARCHITECTURE OF LIGHT

Students will learn about the application of the human-centered design concept as they create their own laser tag arena. They will learn about this creative approach to problem solving and be lead through this process as they design, create, and test their own laser tag models by applying their knowledge from a real game of laser tag.

HEDULE AN EDUCATIONAL FIELD TRIP CONTACT US AT E

LASER FITNESS SPECTRUM

Keep students moving with our innovative approach to exercising! Students will learn about the importance of exercise and explore how laser tag impacts certain physiological processes in their bodies. Students will be asked to generate hypothesis and track changes during game play.

TAG MATH BEGINNER

Students will use addition, subtraction, and one digit multiplication to analyze their own scorecards and compare team scores. Using this data, teams will then strategize how to improve their total score during their next game.

TAG MATH ADVANCED

Students will learn how to calculate percentages, means, and ratios based on their laser tag experience and scorecard comparisons. By utilizing this data and comparing their scoring, students will devise a plan to improve their tag ratio, accuracy, or overall score.

VENTS@STRATUMHQ.COM OR 480.545.5500