Welcome to Interdisciplinary Science and Technology Building IV (ISTB 4), home to ASU’s School of Earth and Space Exploration. ISTB 4 embodies the transdisciplinary spirit of Arizona State University, accommodating research programs from science and engineering, and continuously encouraging interaction of both worlds. A variety of high-tech labs, interactive environments and engaging exhibits await to energize and excite your students in the process of scientific exploration.

hours Educational programming is available Tuesdays and Thursdays, except ASU holidays, from 9 a.m. to 1:30 p.m., unless otherwise noted. Building is open weekdays from 8 a.m. to 5 p.m.

contact By phone: (480) 727-4729 or via email: SESE-Outreach@asu.edu.

web For information on SESE outreach activities, including educational programming and special events, please visit: http://sese.asu.edu/outreach.

location ISTB 4, 781 E. Terrace Rd., Tempe, AZ 85287. If arriving by Light Rail, exit at the University and Rural Road stop. View the Tempe campus map at: http://www.asu.edu/map/interactive.
K-12 field trip experience

The School of Earth and Space Exploration is a unique K-12 field trip destination that incorporates current ASU research in earth and space. Our customized, STEM-oriented programs include grade-appropriate content ideal for upper elementary and middle school grades that align with current science standards. University research facilities reinforce a dynamic, authentic “pathway to college” message for students.

Select from a variety of options to accommodate needs and schedule:
- Marston Exploration Theater live 3-D presentation
- Docent led tours and interactive displays in the Gallery of Scientific Exploration
- Walking tours to other ASU facilities

K-12 field trips are available Tuesdays and Thursdays from 9 a.m. to 1:30 p.m. and cost from $5.00 to $6.50 per student. We can accommodate groups up to 180 students. Teachers and chaperones admitted free of charge. Please contact us to discuss the best options for your students.

Marston Exploration Theater

This venue employs the latest visualization technologies to present compelling explorations of Earth and space themes. Students experience planetarium-style presentations while flying through stereographic, 3-D virtual space on a journey that will change their view and understanding of human existence in our vast and largely unexplored universe. For details and schedules, visit: sese.asu.edu/MARSTON

Gallery of Scientific Exploration

The first floor of ISTB 4 houses interactive exhibits that engage students in scientific exploration. The space is outfitted with kiosk-style exhibits and large-format monitors that display video from earth-observing satellites and robotic probes of other worlds. The gallery also includes meteorites drawn from the extensive collection of ASU’s Center for Meteorite Studies. Details on the exhibits follow.

- Curiosity Rover Replica

Greeting students as they enter the gallery is one of the few full-scale models of the largest exploration vehicle ever sent to another planet. An info graphic and touch screen monitor kiosk allow students to dig deeper into the rover and its mission.

- EarthScope

EarthScope is looking into the past, present and future of the North American Continent through earthquake activity. Check out the interactive display, jump and make your own personal earthquake and see instruments used to measure and understand earthquakes and continental movement.

- Interactive Immersive Exhibit Environment (I2E2)

I2E2 immerses users in interactive explorations of real-time NASA mission data and virtual field trips of geological features around the Earth and beyond.

- Magic Planet

Magic Planet, a digital planetarium, uses internal digital video projectors with a six-foot diameter sphere-shaped screen to present dynamic global and extrasolar information. The system uses data from NASA, NOAA and others to present archived and real-time data about the Moon, Sun, Earth and other planets. Students can use the touch screen to explore new frontiers in the solar system.

- Meteorite Exhibit

The Meteorite Exhibit, located on the second floor, features touchable specimens and a video display of the vault housing the largest university based meteorite collection in the world. Visitors can learn about meteorites, their discovery and analysis.

Hands-on EPO Lab

An exploratory space of 15 hands-on workstations where students rotate through activities ranging from how to discover new planets to understanding the inner-workings of earthquakes and volcanoes.

TEAL Lab

In the TEAL Lab (short for Technology-Enabled Active Learning), students can explore JPL’s programs of Eyes on Earth and Eyes on the Solar System using large touchscreen monitors in a heavily-mediated technology lab.