Arizona State University

Open Door

Tempe campus

Feburary 23, 2019

Explore. Learn. Imagine.

Prep for college. Prep for careers. Prep for life.

ASU Prep Digital is a customized learning opportunity integrating online high school with over 100 university courses in undergraduate majors at Arizona State University.

With ASU's me3® mobile app integrated into curriculum, ASU Prep Digital students chart academic pathways from high school, through college to a career, based on their interests and passions. Download me3® for free from the Apple App Store and Google Play and explore your interests, your options, your future.

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Welcome to ASU Open Door, the annual open house

Listed in this program are the activities hosted by ASU's colleges, schools, programs and student groups, providing guests with a sampling of the most innovative university in the nation.

There is something for everyone. *ASU Open Door* is an opportunity for visitors of all ages to participate in hands-on activities, explore laboratories and innovative learning spaces, and speak directly to the faculty, staff and students that make ASU such a special place.

So come in and look around.

Note to guests:

- All activities operate from 1 to 6 p.m. unless otherwise noted in the program.
- Parking is free for *ASU Open Door* visitors in select ASU parking lots and structures. See program map, *ASU Open Door* app or website for locations and details.
- Public restrooms are available in all ASU buildings.
- Need assistance? Look for the volunteers with the "Ask Me!" signs or stop by the registration booth.
- Lost child? Go to the nearest registration booth.

ASU Arizona State University

Art Building (ART)

Learn How Screen-Printing Works!
1-4 p.m.
Outdoors, Entryway

Stop by and see how to screen-print on fabric! Visitors will receive a free "I heart Art" bandana while supplies last.

Host: School of Art

• Middle school • Art/Design

Face Painting with the School of Art!
3-5 p.m.
Outdoors, Entryway

School of Art Painting alum, Dani Godreau, is ready to create stunning face paintings. The face paint is a high quality water based paint (not grease) and will easily remove with wash cloth. Does not stain.

Host: School of Art

• Elementary school & under • Art/Design

School of Art - Open House & Studios
Entire Buildling

Come and explore the School of Art! Navigate through five floors of classrooms, open studios and see in depth features of our facilities. Get an idea of the program by seeing a variety of 2D and 3D art work hung throughout specifically for Open Door visitors. Meet and make with student clubs positioned all throughout the space. Want to know more specifics? Come at 2 p.m. and 4 p.m. to participate in an extensive guided tour of the School of Art.

Schedule: 2:00 p.m., 4:00 p.m.

Host: School of Art

• High school & up • Art/Design

Art Exhibition - The Galbut Prize
First Floor, Harry Wood Gallery

The Galbut Prize is an art exhibition that recognizes and supports young talent in the School of Art. The Galbut Prize is awarded annually and includes a $1,500 purchase prize juried by a rotating member of the community. This competitive prize will be awarded to an outstanding work created by one of ASU's School of Art MFA students, which will then become part of the ASU permanent art collection and be displayed in a highly visible location on the Tempe campus. Come and see who won the award! All competing artworks will be on display.

Host: School of Art

• Middle school • Art/Design

Zone A

Art Building (Continued)

Collaborative Mural with Art Education
Second Floor, Room 226

Have fun mixing paint and contributing to a large collaborative work of art! Explore using a brush and paint with our art education students.

Host: School of Art

• Elementary school & under • Art/Design

Portfolio Review
5-6 p.m.
Third Floor, Room 326

Applying to Art School? Then do not miss a chance to have your portfolio reviewed by the School of Art. Bring 3-5 examples of your current artwork and receive valuable feedback about your work. Please bring in physical artworks to be reviewed. For digital artists, minimum 7" x 9" tablet. Images will not be reviewed on phone.

Host: School of Art

• High school & up • Art/Design

Comics & Zines!
2-5 p.m.
Third Floor, Room 346

Explore some comic themes and techniques with zines in mind! Experiment making your own zine and also meet our Faculty Associate and artist, Turner Davis, who teaches our Comics and Storyboards class as well as Illustration.

Host: School of Art

• Middle school • Art/Design

College Avenue Commons (CAVC)

ASU Admission 101
4-4:30 p.m.
First Floor, Room 101

This session will guide you through the process of your college search process and offer helpful advice to find the right fit college or university. You will receive helpful information about the admission process, scholarship programs and financial aid. Our experienced admission representatives will provide helpful tips on navigating the college search process. Additionally, you will learn about the ASU student experience. This must-attend session will help guide you on the right path to attending college. RSVP today at: https://visit.asu.edu/admission101/tempe.

Host: Admission Services

• High school & up • Student Life

Become a Jr. Landscape Architect, pg. 5

Coor Hall (COOR)

Storms, Tornadoes and More!
Outdoors, East Patio

Tornadoes are AWESOME deadly, and POWERFUL winds. Come hold a tornado in your hands! Talk to weather experts, perform hands-on experiments and learn about other types of extreme weather.

Host: School of Geographical Sciences & Urban Planning

• Elementary school & under • Natural Science

YouthMappers: Help make the world a better place by mapping it!
Outdoors, East Patio

YouthMappers is a network of more than 5,000 university student mappers organized in 141 campus chapters across 41 countries. See how the group builds maps that help increase food security, prevent disease, and improve disaster response – See the work that ASU's newly-formed chapter is beginning to take on, and give it a try yourself.

Host: School of Geographical Sciences & Urban Planning

• High school & up • Social Science

Say What? A Language Game
Outdoors, East Patio

How many of the languages offered by the Melikian Center Critical Languages Institute can you identify?

Host: Melikian Center for Russian, Eurasian, and East European Studies

• High school & up • Culture/Language

Build Your Urban Vision
Outdoors, East Patio

If you could take a few square blocks that includes vacant lots & unused buildings and re-invent it, what would you like to see? Use Legos to envision a new life for a real-world area of Phoenix or Tempe and chat with urban planning students about some of the strategies for – and challenges to – bringing new life to under-used urban areas!

Host: School of Geographical Sciences & Urban Planning

• Elementary school & under • Social Science

See Yourself in Infrared
Outdoors, East Patio

Scientists use infrared photography to reveal hidden patterns of warm and cool temperatures, health of plants and more. Here is a chance to see how YOU look in infrared and learn about other applications of IR photography!

Host: School of Geographical Sciences & Urban Planning

• High school & up • Natural Science

Around the World in 80 Seconds
Outdoors, East Patio

Have your picture taken in Indonesia, Macedonia, Russia, Turkey, or Uzbekistan without ever leaving campus!

Host: Melikian Center for Russian, Eurasian, and East European Studies

• Elementary school & under • Culture/Language

Giant Arizona Map

Outdoors, East Patio

It would take some time to traverse Arizona from Mexico to Utah and California to New Mexico – instead take your shoes off and explore our giant 17- by 20-foot map on foot! Great for kids 7-12 but fun for everyone – stop by to play a map game or just explore!

Host: Arizona Geographic Alliance

- Elementary school & under • Social Science

Your Name in Russian

Outdoors, East Patio

Have your name written in Russian on a name tag to take with you.

Host: Melikian Center for Russian, Eurasian, and East European Studies

- Elementary school & under • Culture/Language

Audio and Speech Activities

Outdoors, Forest Mall Lawn

Do you want to learn how to spell your name only using your fingers? Or do you want to play Jenga and make cool sounds while doing it? Join us to learn about the different ways audiology and speech impact your life!

Host: College of Health Solutions

- Middle school • Health & Wellness

Popcorn Bar!

Outdoors, Forest Mall Lawn

Create your own gourmet packet of popcorn!

Host: ASU College of Health Solutions

- Elementary school & under • Health & Wellness

Are You Fitter Than a 5th Grader?

Outdoors, Forest Mall Lawn

Do some simple exercises to find out how fit you are!

Host: ASU College of Health Solutions

- Elementary school & under • Health & Wellness

Messages in Bottles

Outdoors, Forrest Mall Lawn

The first message in a bottle was used by Greek philosopher, Theophrastus in 310 B.C. to prove that incoming currents from the Atlantic Ocean formed the Mediterranean Ocean. Kids will make their own messages in bottles using some fun craft items and can even send it off into our small ocean!

Host: School of Historical, Philosophical and Religious Studies

- Elementary school & under • Humanities

Touch a Real Brain!

Outdoors, Forrest Mall Lawn

At this interactive booth, participants will be able to glove-up and touch a real brain! They will learn what parts of the brain are responsible for things like moving, feeling, talking and memory.

Host: ASU College of Health Solutions

- High school & up • Health & Wellness

Time Capsules

Outdoors, Forrest Mall Lawn

Time capsules are used to preserve items, memories and thoughts for historical purposes. Kids are given items from the year to put into a time capsule. They are provided craft supplies to decorate the outside how they will like. Their time capsules are to remain unopened until a later date where they provide a "blast from the past" to whoever opens them.

Host: School of Historical, Philosophical and Religious Studies

- Elementary school & under • Humanities

Let's Talk About Vocal Health!

Outdoors, Forrest Mall Lawn

Is your habitual pitch also your optimal pitch? Graduate students will take pitch measurements and discuss effects of habitual pitch that is not optimum.

Host: ASU College of Health Solutions

- High school & up • Health & Wellness

Simulated Hearing Loss

Outdoors, Forrest Mall Lawn

Hearing loss not only affects communication, but also connection with the environment. In this demonstration, you will experience the effects of hearing loss on perception of speech, music and other sounds in the environment.

Host: ASU College of Health Solutions

- High school & up • Health & Wellness

LIVE Performance by the Ukulele Club at ASU!
4:30-5:30 p.m.

Outdoors, 6th Floor Patio

Listen to beautiful ukulele music performed LIVE by talented Sun Devils!

Host: School of Politics and Global Studies

- Middle school • Student Life

Free Hearing Screenings

Second Floor, Room 2255

Get your hearing checked! Audiology graduate clinicians will be providing free hearing screenings. Stop by the Speech and Hearing Clinic to sign up. This free hearing screening is available to anyone ages 5 and up.

Host: College of Health Solutions

- High school & up • Health & Wellness

Zone A

Coor Hall (Continued)

Kid's Voting: The Incredibles Election!

Sixth Floor, Entryway

The characters from The Incredibles are running for election! Learn where the candidates stand on important issues and vote for your favorite!

Host: School of Politics and Global Studies

- Elementary school & under • Social Science

Annual Student Photo Contest

Sixth Floor, Lobby

See the world through the eyes of our students and vote for your favorite photo submissions across numerous categories!

Host: School of Politics and Global Studies

- Middle school • Social Science

Kid's Crafts – If I Were President Posters, Owl Ornaments and Mandalas!

Sixth Floor, Room 6605

Imagine what you would do if you were the leader of the United States! Then, create your own beautiful mandala and Open Door owl!

Host: School of Politics and Global Studies

- Elementary school & under • Social Science

Political Trivia and Treats

Sixth Floor, Room 6607

Visit our gallery and spin the School of Politics and Global Studies Trivia Wheel! Test your political and global knowledge and win some tasty snacks!

Host: School of Politics and Global Studies

- Middle school • Social Science

Cowden Family Resources Bldg. (COWDN)

Parent and Children Play Time

Outdoors, East Entrance

Come visit the faculty and student leaders from the T. Denny Sanford School of Social and Family Dynamics to play a variety of fun games that help build relationships. Bring a buddy or make one at our booth! Learn all about how we study relationships while actively participating in loads of silliness and fun.

Host: T. Denny Sanford School of Social and Family Dynamics

- Middle school • Social Science


Glassblower Demonstrations, pg. 17

Design North (CDN)

Visit a Green Roof

First Floor, Lobby

Take a guided tour of the Landscape Architecture Program's desert green roof, in full bloom with native Sonoran Desert wildflowers and amazing views of downtown Tempe. Sign up for the tour in the lobby of Design North.

Schedule: 1:00 p.m., 1:30 p.m., 2:00 p.m., 2:30 p.m., 3:00 p.m., 3:30 p.m., 4:00 p.m., 4:30 p.m., 5:00 p.m., 5:30 p.m.

Host: Landscape Architecture Program, The Design School

- High school & up • Sustainability

Design South (CDS)

Biomimicry Kits

First Floor, Room 126

Biomimicry is an emerging discipline that creates sustainable solutions to human challenges by asking "How would nature do this?" Well-known examples of biomimicry include Velcro®, whale-inspired wind turbines and the kingfisher-inspired bullet train. Visit the Biomimicry Center to participate in five hands-on lessons in biomimicry that demonstrate self-cleaning properties of lotus leaves, aerodynamics of the kingfisher bill and the antibiotic action of sharkskin. Learn more about biomimicry by viewing the Nature Exploration Wall with exhibits showing organisms and the products they inspired.

Host: The Biomimicry Center

- Elementary school & under • Natural Science

Discovery Hall (DISCVRY)

Button Making and Game Time with AISSS

Third Floor, Room 312

Hang out for a while with the American Indian Student Support Services (AISSS) team! Create your own beautiful button, customized by coloring an image or selecting a photo. An easy activity for any age! After your button is made, enjoy game time and have fun playing Apples to Apples, Speed Bingo, JENGA, Monopoly, Clue, checkers, basketball and chess.

Host: American Indian Student Support Services

- Middle school • Culture/Language

Dixie Gammage Hall (GHALL)

Dance Facilities Tour

2-5 p.m.

Outdoors, Entrance

Tour our beautiful dance spaces and stages to see what goes on behind the scenes in the School of Film, Dance, and Theatre!

Schedule: 2:00 p.m., 4:00 p.m.

Host: School of Film, Dance, and Theatre (SoFDT)

- High school & up • Art/Design

Theatre - Tour of Facilities

2-5 p.m.

Outdoors, Entrance

The School of Film, Dance, and Theatre invites you to see where the magic happens by touring our theatre stages and spaces. We will show you what goes on behind-the-scenes and then invite you back to campus to see one of our many productions!

Schedule: 2:00 pm, 4:00 pm

Host: School of Film, Dance, and Theatre (SoFDT)

- High school & up • Art/Design

Improvisation and Drama Games for All
1:30-3 p.m.
Outdoors, Secret Garden

Our talented Theatre For Youth faculty and graduate students will lead the young and not-so-young alike in dramatic and improvisational activities designed for family fun! Come join us in the Secret Garden as we discover the hidden actors in your family!

Schedule: 1:30 p.m., 2:30 p.m.

Host: School of Film, Dance, and Theatre (SoFDT)

• Elementary school & under • Art/Design

Interdisciplinary A (INTDSA)

Lunar Reconnaissance Orbiter Camera Science Operations Center - See a Real Moon Rock!
First Floor, Lobby

Happy 10 year anniversary LRO/LROC! Since 2009, NASA's Lunar Reconnaissance Orbiter (LRO) has observed the Moon using a camera system based at ASU called the Lunar Reconnaissance Orbiter Camera (LROC). Take the History of Lunar Exploration Walk and make your way to the Visitor's Gallery to see Mission Control. View the most recent images of our natural satellite. See displays of LROC material and data, 3D interactive videos of the lunar surface as well as 3D crater puzzles. Team members will be present to meet and greet the public.

Host: School of Earth and Space Exploration (SESE)

• Middle school • Natural Science


Visit a Green Roof, pg. 4

Matthews Center (MCENT)

Tissue Paper Butterfly Craft
Outdoors, Lawn

In this quick paper craft, we show you how to create colorful butterflies using tissue paper and pipe cleaner.

Host: School of Transborder Studies

• Elementary school & under • Social Science

Transborder Trivia
Outdoors, Lawn

Play this trivia game with your friends and family, and compete for fun prizes!

Host: School of Transborder Studies

• High school & up • Social Science

Music Building (MUSIC)

School of Music's "Community Music Lab"
1-4 p.m.
Outdoors, Courtyard

Come join the School of Music's "Community Music Lab." This hands-on experience is a way for the community of all ages and all levels of musical experience to collaborate and create together. ASU Music students will facilitate music making on an array of percussion and electronic instruments as a way to explore ways in which music making can build our ASU and greater community.

Host: School of Music (SOM)

• Middle school • Art/Design

Neeb Hall (NEEB)

Desert Giants!
Outdoors, North Plaza

Saguaro cacti (pronounced suh-wahr-oh) are icons of the Sonoran Desert. See how saguaros are an important part of our desert ecosystem and explore fun saguaro facts with hands-on activities.

Host: Landscape Architecture Program, The Design School

• Elementary school & under • Natural Science

Student ASLA Plant Sale
Outdoors, North Plaza

The student chapter of the American Society of Landscape Architects (ASLA) will be on site with native and desert-adapted plants for sale.

Host: Landscape Architecture Program, The Design School

• High school & up • Sustainability

Draw Like a Designer!
Outdoors, North Plaza

How do designers use their drawing skills to create designs? In this activity, learn how to draw like a designer using a variety of tools and methods.

Host: Landscape Architecture Program, The Design School

• Middle school • Art/Design

Watershed Sandbox
Outdoors, North Plaza

Come play in a sandbox to better understand how water transforms the landscape and how it has changed the way humans live on the land.

Host: Landscape Architecture Program, The Design School

• Middle school • Natural Science

Become a Jr. Landscape Architect
Outdoors, North Plaza

Landscape architects design spaces that are good for us, our communities and our environment and we need you! Come learn how anyone, of any age, can create fun outdoor spaces that serve multiple benefits for people and the environment. Participants earn a Jr. Landscape Architecture badge!

Host: Landscape Architecture Program, The Design School

• Elementary school & under • Art/Design

Nelson Fine Arts Center (FAC)

Tigers Be Still
7:30-9:30 p.m.
First Floor, Room 133

In this comedy about depression, Sherry finds herself unemployed, overwhelmed and back at home after earning her master's degree in art therapy. When she gets hired as a substitute art teacher, things begin to brighten up. Now if only her mom would come downstairs, her sister would get off the couch, her very first patient would do just one of his assignments, her new boss would leave his gun at home and someone would catch the tiger that escaped from the local zoo, everything would be fine! Ticket prices range from $5-10 and can be purchased at: https://filmdancetheatre.asu.edu/events.

Host: School of Film, Dance, and Theatre (SoFDT)

• High school & up • Art/Design

School of Human Evolution and Social Change (SHESC)

Follow Our Treasure Map

Outdoors, Courtyard on Cady Mall

Pick up a map of our school, then follow it to find stamps at each of our school and center activities around the building. Collect five stamps to win a fun prize.

Host: School of Human Evolution and Social Change

• Elementary school & under • Social Science

Rock Art Face Painting

Outdoors, Courtyard on Cady Mall

Visitors will choose from several rock art designs highlighting the many ways humans have created and displayed art throughout history (a more contemporary option representing the School of Human Evolution and Social Change is also available).

Host: School of Human Evolution and Social Change

• Elementary school & under • Social Science

Dig for (Candy) Bones

Outdoors, Lawn

Unearth buried history as you dig for bones made of candy. You will learn about the skeletal system and how it can help us understand people of the past. Collect stamps on your SHESC treasure map to win a prize.

Host: School of Human Evolution and Social Change/ Center for Bioarchaeological Research

• Elementary school & under • Social Science

Games of Skill

Outdoors, Lawn

Visitors will play a "new-old" game representing historic cultural competitions and learn about the role of games as community-building events throughout history. Collect stamps on your SHESC treasure map to win a prize.

Host: School of Human Evolution and Social Change

• Middle school • Social Science

Teotihuacan in the Basement

First Floor, Room 104

Visitors will get to experience aspects of the ancient city of Teotihuacan by creating small clay figurines, piecing together a mural puzzle and viewing original artifacts from the site itself. We will also have temporary tattoos of Mesoamerican symbols. Collect stamps on your SHESC treasure map to win a prize.

Host: School of Human Evolution and Social Change/ Teotihuacan Research Laboratory

• Middle school • Social Science

Find Your School

First Floor, Room 154

Explore the archaeological landscape of your school or other places you know. The Phoenix Metro area sits on top of one of the most densely occupied ancient landscapes in North America. We have gathered a large array of spatial information on indigenous settlements, canals and other features across the region. Collect stamps on your SHESC treasure map to win a prize.

Host: School of Human Evolution and Social Change/ Center for Archaeology and Society

• High school & up • Social Science

Paint Your Own Pot

First Floor, Room 154

Come see and touch natural raw materials used in the production and painting of ancient pottery from the Phoenix Basin, then leave your mark on our communally painted replica jar. We will have real archaeological examples and researchers on hand. Collect stamps on your SHESC treasure map to win a prize.

Host: School of Human Evolution and Social Change/ Center for Archaeology and Society

• Elementary school & under • Social Science

So You Want To Be An Archaeologist?

Second Floor, Lobby

Try out equipment and tools while our experts share stories from the field. Archaeology is more than just fedoras and shovels – come see if you have what it takes. Collect stamps on your SHESC treasure map to win a prize.

Host: School of Human Evolution and Social Change

• Middle school • Social Science

Stauffer Communication Arts A (STAUF)

Wheel of Communication

Outdoors, Foyer

Fun for the whole family! Spin the wheel and answer questions about our fields of study at the Hugh Downs School to win fabulous prizes!

Host: Hugh Downs School of Human Communication

• High school & up • Social Science

Stauffer Communication Arts B (STAUF)

Experiential Research Extravaganza!

First Floor, Gallery

Showing off works and research from the School of Arts, Media and Engineering.

Host: School of Arts, Media and Engineering (AME)

• High school & up • Art/Design

Experiential Research Extravaganza!

First Floor, Room 102

We are showing off works and research from the School of Arts, Media and Engineering. Come check it out!

Host: School of Arts, Media and Engineering (AME)

• High school & up • Art/Design

Interactive Tech Art Fun Fest!

First Floor, Room 103 & 125

Making computers do tricks! Featuring interactive video and sound art from Digital Culture students.

Host: School of Arts, Media and Engineering

• Middle school • Art/Design

Digital Culture Summer Institute

First Floor, Room 125

Learn about Arts, Media & Engineering's summer program for middle and high school students, Digital Culture Summer Institute! We will have information for parents and have some hands-on making for youth!

Host: School of Arts, Media and Engineering (AME); Digital Culture Summer Institute

• Middle school • Art/Design

Durham Language & Literature Bldg. (LL)

A Latin American Experience
Outdoors, Entryway

The School of International Letters and Cultures will share a Latin American experience through the making of arts and crafts.

Host: School of International Letters and Cultures (SILC)

- Elementary school & under • Culture/Language

Romanian Folk Art
Outdoors

Travel through Romanian history viewing folk art objects, such as a folk costume, dolls, ceramics and more traditional objects from Romania.

Host: School of International Letters and Cultures (SILC)

- Middle school • Culture/Language

Ancient Uses of Clay: A Hands-On Workshop
Outdoors

Ceramics are a major source for archaeological inquiry about the ancient world. Ancient Greek pottery is a beautiful way to learn about art and mythology. This will be a hands-on workshop (great for children and families!) illustrating various ancient vessels, votives and writing in clay. Short recurring presentations will describe how to write in clay using Mesopotamian cuneiform technology, how to make popular ceramic shapes and techniques for creating, firing and decorating ancient Greek and Roman pottery. Participants will be invited to try their hand at creating miniature version of the vessels, votives and cuneiform tablets in between presentations.

Host: School of International Letters and Cultures (SILC)

- Elementary school & under • Culture/Language

Calligraphies of the World
Outdoors

Join the School of International Letters and Cultures for a lesson in how to write your name in one of the calligraphies of the world. Arabic, Chinese, Ancient Greek, Hebrew, Japanese, Korean, Russian and Vietnamese. In addition, there will be a photoshoot in traditional Chinese outfits and there will be a Mahjong table and a Chinese knotting table.

Host: School of International Letters and Cultures (SILC)

- Middle school • Culture/Language

Sari Wrapping
Outdoors

Faculty and students will demonstrate how to wrap a Sudanese sari on volunteer participants.

Host: School of International Letters and Cultures (SILC)

- Middle school • Culture/Language

Henna Tattoos
2:30-5:30 p.m.
Outdoors

The School of International Letters and Cultures shares the ancient art of henna tattooing. Henna tattoo artists will be on hand to give live demonstrations on volunteers from the public.

Host: School of International Letters and Cultures (SILC)

- High school & up • Culture/Language

Life Sciences Center A (LSA)

Reptile Row
First Floor, Hallway

Learn about Arizona's amazing reptiles at the Living Collections in the School of Life Sciences. Come see a real Gila Monster, one of only two venomous lizards in the world, as well as king snakes, desert tortoises and one of the most complete collections of Arizona rattlesnakes. Keep your eye open for Hector, a rare, albino Western Diamondback rattlesnake and his son Joey — also an albino.

Host: School of Life Sciences

- Middle school • Natural Science

Virtual Reality Lab Simulator
First Floor, Room 129

Put on a pair of virtual reality headsets and explore what it's like to do experiments in ecology, animal physiology and cell biology labs. Learn about ASU's new online biology degree that allows online students to experience labs through innovative experiments with the latest technologies.

Host: School of Life Sciences

- High school & up • Natural Science

Human Anatomy Exploration
First Floor, Room 165

Have you ever wondered what your heart really looks like? Spoiler alert - it does not look like the hearts you see on Valentine's Day! Come see the size, shape and texture of real animal organs and models. Look through a real microscope, see actual cells and have some fun learning about the human body!

Host: School of Life Sciences

- Middle school • Natural Science

So You Think You Can Pinch
First Floor, Room 165

Come one, come all and "test your strength" at this carnival style game — with crayfish! Participants will pick three crayfish. We will ask you to predict which crayfish will have the strongest pinch. Then, we will measure each crayfish's pinching force. Which crayfish is being deceptive? Will the biggest crayfish always have the strongest pinch? Also, learn how cold and warm water affect crayfish pinching force.

Host: School of Life Sciences

- Middle school • Natural Science

Build An Embryo
First Floor, Room 175

When you were developing in your mother's uterus, you had eyelids before you had a brain. At one point, your femur bone (the biggest in your body now) was only 6 millimeters long. That is shorter than a pencil eraser! Swing by the Embryo Project booth to learn how you changed from a couple of cells to a fully grown human. Build an embryo out of clay and spin the Wheel of Embryos for cool prizes.

Host: School of Life Sciences

- Middle school • Natural Science

Saving the World with Viruses!
First Floor, Room 175

Come see how live virus infections spread from cell to cell and how scientists can find individual viruses. How can viruses make the world a better place? Share your ideas and create a cool virus at our coloring station to take home.

Host: School of Life Sciences

- High school & up • Natural Science

Learning About Science with SOLS Ambassadors
First Floor, Room 187

Join the School of Life Sciences Ambassadors, current students studying biology at ASU, to explore all of the exciting ways you can tackle biology through a variety of fun activities!

Host: School of Life Sciences

- Elementary school & under • Natural Science

Zone B

Life Sciences Center C (LSC)

The Secrets of Leaves

First Floor, Atrium

Transportation networks are all around us — city streets, our blood's circulatory system and even the veins of plant leaves. Explore beautiful forms hidden beneath the surface of leaves using microscopes and cool imaging techniques. Study how the veins in leaves influence plant performance and try instruments we use to test the mechanical strength of plants (we call it the "leaf torturer").

Host: School of Life Sciences

- Middle school • Natural Science

ASU Natural History Collections

First Floor, Atrium

Come see an incredible display of mammals, insects, mollusks and plant specimens from the amazing ASU Natural History Collections! Learn about these fascinating specimens from our talented staff and students. We will also have hands-on activities for the kids. Learn how we gather important information on our collection specimens and share this information online.

Host: School of Life Sciences

- Elementary school & under • Natural Science

Fossil Plant Puzzles

First Floor, Atrium

Experience a variety of plant fossils that are millions of years old! Try your hand at piecing together a cool fossil puzzle. This set of 3D preserved fossil plant blocks have been cut up into puzzles that can be put back together by matching the mirror images.

Host: School of Life Sciences

- Elementary school & under • Natural Science

Snakes Alive!

First Floor, Atrium

Ever wondered what a snake feels like? Are you brave enough to hold one? Come meet our touchable, holdable, non-venomous snakes. We will answer your questions and have our better-behaved snakes available to hold.

Host: School of Life Sciences

- Elementary school & under • Natural Science

Why Lizard Skulls Are Different

First Floor, Room 102

Lizards come in all shapes and sizes and we like to study how this diversity has evolved. Here, you can see and touch 3D printed skulls from different species of spiny lizards. Learn how they are different and try to guess which lizard species are closely related and which ones are long-distant relatives.

Host: School of Life Sciences

- Middle school • Natural Science

The Language of Colors

First Floor, Room 102

What does the color red mean? How about green or yellow or black? For animals, understanding the meaning of color can help them stay away from dangerous food, find a mate or home or even spot another dangerous animal. In this fun, interactive and hand-on card game, test your knowledge see what you know about the language of color!

Host: School of Life Sciences

- Middle school • Natural Science

Catch a Lizard Like a Biologist

First Floor, Room 102

Do you know how real biologists catch lizards in the field? Did you know scientists have to be trained and have a special permit to catch them? If you want to step into a biologist's shoes, stop by and try to catch a toy lizard to take home! Any participant that can successfully catch a lizard gets to keep it.

Host: School of Life Sciences

- Elementary school & under • Natural Science

Live Insects Show 'n Tell

First Floor, Room 104

Have you seen the inside of a beehive - while it is full of bees? Or have you seen how ants clean their nests? Come see both live and preserved specimens of eusocial and social insects including ants, bees, grasshoppers and hissing cockroaches. Sssssssweeeett!

Host: School of Life Sciences

- Elementary school & under • Natural Science

Take a Dive! Ocean Conservation for Desert Dwellers

First Floor, Room 126

How are humans impacting our oceans? Explore this question and learn about potential conservation solutions. Our oceans are full of a variety of life, which is important to nature and to our society. Find out how our environment is being stressed, which is negatively affecting marine health. Can you help us find a conservation solution to help our oceans?

Host: School of Life Sciences

- Middle school • Natural Science

The Hidden World of Mighty Mites

First Floor, Room 126

Mites are tiny arachnids — part of the same family as spiders or scorpions. What do they look like? What do they do? In this hands-on activity, we will dive into the hidden world of mites. Start by sorting arthropod groups, then look closer at live mites through a stereoscopic microscope. Get an even closer look at mounted mites through an optical microscope.

Host: School of Life Sciences

- Elementary school & under • Natural Science

How Cool Are You?

Second Floor, Room 210

The student EvMed club is investigating the variation in human body temperature. In addition to learning about fever and evolution, participants can help with this research by allowing club members to take and record their temperature (ear). These temperatures can be tracked against the temperature data from other people on other data collection days. This will allow club members to tell participants how "cool" they are compared to prior participants!

Host: Center for Evolution and Medicine (CEM)

- Middle school • Health & Wellness

Old Main (MAIN)

New Technologies Bracket Board

Outdoors, Lawn

It is March Madness in February but we're not playing for sport, we're playing for future technologies. Pick the technology that you think would advance over randomly selected technologies. Played by two people at a time, this game evokes future thinking about which technology is more important to the survival of our civilization and planet.

Host: School for the Future of Innovation in Society

- High school & up • Social Science

Create Your Own ASU Alumni Association Traditions Tee

Outdoors, Lawn

Customize your very own gold ASU Alumni Association t-shirt! Select designs based on Alumni Association traditions like painting "A" Mountain or the iconic Old Main building. Select your screen prints, where you want them placed on your shirt and ta-da! You have your very own personalized traditions tee.

Host: Alumni Association

- High school & up • Student Life

Geodesic Radio: A Game for Crowdsourcing the Future

Outdoors, Lawn

Geodesic Radio is a collaborative storytelling game where players envision the future. In this game, a mysterious device, the Geodesic Radio, has given snapshots of what might be happening to our oceans and society 75 years from now and we need players to help us make sense of the clues. Using images, audio clips and other artifacts shown on a crazy-board, players construct stories of the possible breakthroughs, tragedies and other realities of what may come to pass.

Host: School for the Future of Innovation in Society

- High school & up • Social Science

Desert Nights, Rising Stars Literary Fair

Outdoors, Lawn

Meet authors! Listen to readings! Write something yourself! Presented as a public extension of our annual Desert Nights, Rising Stars Writers Conference, the Desert Nights, Rising Stars Literary Fair brings together publishers, authors, and other literary organizations from Phoenix and beyond for two days of readings, talks, performances and other literary activities. To meet our exhibitors and view the full schedule of events and activities, visit our website at http://piper.asu.edu/conference/fair.

Host: Virginia G. Piper Center for Creative Writing

- High school & up • Culture/Language

Dough Creatures

Outdoors, Lawn

IT'S ALIVE!!! Use your creativity to build your own creature that you will bring to life using conductive dough and a battery! This is a "make and take" activity while supplies last. Fun for all ages.

Host: School for the Future of Innovation in Society

- Elementary school & under • Art/Design

Share Your Culture

Outdoors, Lawn

Student & Cultural Engagement (SCE) creates a transformational opportunity to engage in culture, community and global leadership at ASU. Students find opportunities to explore the Sun Devil community through community building, global leadership, inclusion, cultural celebrations, civic discourse and community change. SCE promotes the development of Sun Devil culture through self-expression, learning and heritage with the formation of an ASU culture rooted in inclusion, individual experience, community values and the Sun Devil way. LEGO and share who you are and be sure to pick up a Culture@ASU Coloring Book!

Host: Student & Cultural Engagement

- Elementary school & under • Culture/Language

Meet a Robot Who Wants to Play

Outdoors, Lawn

Join Mary Lou Fulton Teachers College as we spark imaginations and inspire tomorrow's educators — with robots. Guide a Sphero robot through an obstacle course, learn to program it and experience the power of deep play.

Host: Mary Lou Fulton Teachers College

- Middle school • Art/Design

Solar Amusement Park

Outdoors, Lawn

Students are introduced to the world of creative engineering product design. Students choose a theme park ride that they want to build that is run ONLY by a solar panel and simple motor. As students begin by defining the problem, they learn to recognize the need, identify a target population, relate to the project and identify its requirements and constraints. They then create and test prototypes, and re-design to optimize their solutions.

Host: Tonto Creek Camp

- Middle school • Engineering

What Do You Want to be When You Grow Up?

Outdoors, Lawn

Do you know what you want to be when you grow up? Stop by the ASU Graduate College and pick your future profession. You can choose professions from A - Z! Come pick up a coloring book, play our bean bag toss and take a chance at our spinning wheel to win select prizes!

Host: ASU Graduate College

- Elementary school & under • Humanities

Zero Waste at ASU

Look for bins on campus and sort items as shown.

Landfill

Food

Food wrappers

Napkins and paper wrappers

Paper food items

Plastic bags and baggies

Small plastics

Recycle

Paper

Plastic

Metal

Glass

NO

Ice • Liquids
Food • Napkins

Please recycle your program after use.

ZeroWasteASU @ZeroWasteASU zerowasteasu

Want to keep the discoveries of Open Door going?

Dig into ASU's latest news, scientific discoveries, parenting studies, service projects, family events and more by subscribing to the free ASU Now newsletter at **asunow.asu.edu/subscribe.**

ASU Arizona State University

You are the future of business.

Map your future in college and beyond at Fleischer Scholars — a free summer program for deserving high school juniors from Arizona.

wpcarey.asu.edu/fleischer

ASU W. P. Carey School of Business
Arizona State University

Old Main (Continued)

Let's Get Down to Business
Outdoors, Lawn

Come visit the W. P. Carey School of Business activity area to learn about how to create a business! Join us and foster your entrepreneurial spirit by starting with an idea and turning the idea into a business! You can also decode secret messages and engage in data games as you creatively dream and explore with W. P. Carey students there to guide you through the activities.

Host: W. P. Carey School of Business

• Middle school • Business

The Real CSI!
Outdoors, Lawn

Want to know some of the ways police officers solve crimes? Come visit our fun activity to talk with officers and learn tools and techniques we use to put the evidence puzzle together to figure out who did it!

Host: ASU Police Department

• Elementary school & under • Social Science

STEAM Machine
Outdoors, Lawn

Students will work individually or as teams to build a machine based on Rube Goldberg chain reaction. The STEAM Machine is built all out of duct tape, PVC, mouse traps, wood, dominos, etc. Prizes awarded for completion of the task. The engineering design process allows participants to interconnect science, technology, engineering, arts and math (STEAM) concepts to transform simple ideas and materials into complex multi-disciplinary systems. These machines create a unique opportunity for developing hands-on learning activities that promotes an understanding of teamwork and the engineering design process.

Host: Tonto Creek Camp

• Middle school • Engineering

Flavorcasting
Outdoors, Lawn

We tell stories about the future with books and films. What if we also used flavor? Come imagine alongside us what the future might taste like.

Host: School for the Future of Innovation in Society

• High school & up • Natural Science

Access ASU, me3, College and Career Exploration
Outdoors, Lawn

Please join us for information on college readiness. Visitors will get the opportunity to take me3, an online interactive major and career quiz, play a game for a chance to win one of our amazing giveaways and find out more about how to get prepared for college and your future career!

Host: Access ASU

• High school & up • Student Life

Air Force ROTC: Building Leaders
Outdoors, Lawn

Come engage with our cadets in fun activities, get your photo taken with aviation gear and hear information about the Air Force ROTC and how to earn money for college.

Host: Aerospace Studies Department

• High school & up • Social Science

Army ROTC Obstacle Course
Outdoors, Lawn

The Sun Devil Battalion at ASU is one of the premier Army Reserve Officer's Training Corps (ROTC) programs in the country. We will showcase all of the exciting opportunities that our Cadets take advantage of on the road to becoming outstanding Army officers. Children can enjoy an Army obstacle course, face painting, pull-up competition, football toss and much more. High school students and their parents can learn about scholarship opportunities, extracurricular activities, officer career choices and cultural programs that are available to our Cadets. Stop by our display to find out more!

Host: Department of Military Science (Army ROTC)

• Elementary school & under • Social Science

Physical Education Bldg. West (PEBW)

Walk on Mars! Mars Space Flight Facility
First Floor, Main Gym Floor

ASU's THEMIS camera has been taking images of Mars since 2001 and has so far collected over 200,000 infrared images. The Mars Space Flight Facility has taken the best images and blended them together to create a global map of Mars that, when printed at full-resolution, is the size of a basketball court. Come walk across this giant map of Mars with our scientists and explore the Red Planet for yourself!

Host: School of Earth and Space Exploration (SESE)

• Middle school • Natural Science

Social Sciences Bldg. (SS)

Civic Education Classics Display
Outdoors, Atrium

Come check out our collection of rare books including a first edition of Abraham Lincoln's "Gettysburg Address", a signed first edition of Harriet Beecher Stowe's "Uncle Tom's Cabin", signed first editions of Martin Luther King, Jr.'s books "Strength to Love" and "Stride toward Freedom", plus many more! Chat with our faculty to learn more about these rare works!

Host: School of Civic and Economic Thought and Leadership (SCETL)

• Middle school • Social Science

Prize Wheel
Outdoors, Atrium

Come spin to win! Receive free swag if you spin our wheel and answer a political trivia question.

Host: School of Civic and Economic Thought and Leadership (SCETL)

• Elementary school & under • Social Science

Historical Coloring Station
Outdoors, Atrium

Make your mark on history! We will provide the colors and custom blank coloring templates featuring illustrations of American heroes including George Washington, Abraham Lincoln, Alexander Hamilton and more. All you need to bring is your creativity!

Host: School of Civic and Economic Thought and Leadership (SCETL)

• Elementary school & under • Social Science

Institute of Human Origins—Fabulous Fossil Fun!
Outdoors, West Entrance and Atrium

How did we "become human?" The Institute of Human Origins opens its "vault" for you to see and touch skulls and bones (casts) from different phases of human evolution, including the "founding fossil"—Lucy, the 3.2 million-year-old Australopithecus afarensis discovered by Donald Johanson in 1974. Measure how Lucy's brain size compares to people and primates today. Discover why hand shape and human cooperation are important to making and using tools. And step into a timeline of history from the "Big Bang" to the "Tree of Life!" So, put on your best explorer's hat and discover evolutionary anthropology!

Host: Institute of Human Origins

• Middle school • Natural Science

Arizona State University

Open Door

- Registration
- Visitor Parking
- Food
- First Aid
- Trolley Stop
- Sustainability Central
- Restrooms are available in all ASU buildings
- Buildings hosting activities

Zone A

Art Building (ART)
College Avenue Commons (CAVC)
Coor Hall (COOR)
Cowden Family Resources Building (COWDN)
Design North (CDN)
Design South (CDS)
Discovery Hall (DISCVRY)
Dixie Gammage Hall (GHALL)
Interdisciplinary A (INTDSA)
Matthews Center (MCENT)
Music Building (MUSIC)
Neeb Hall (NEEB)
Nelson Fine Arts Center (FAC)
School of Human Evolution and Social Change (SHESC)
Stauffer Communication Arts A & B (STAUF)

Zone B

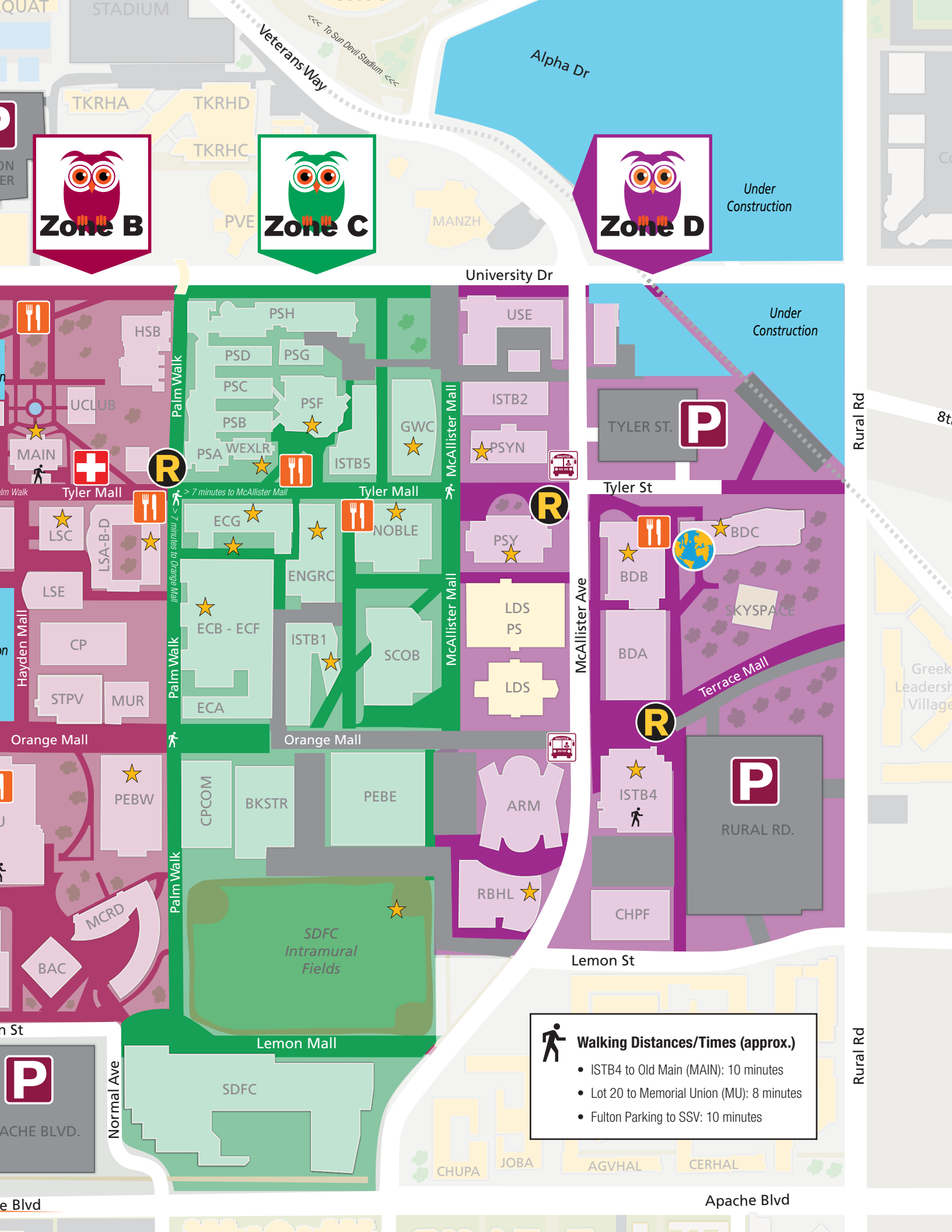
Durham Language & Literature Bldg. (LL)
Life Sciences Center A (LSA)
Life Sciences Center C (LSC)
Old Main (MAIN)
Physical Education Building West (PEBW)
Social Sciences Building (SS)

Zone C

Bateman Physical Sciences Center F (PSF)
Engineering Center C (ECC)
Engineering Center F (ECF)
Engineering Center G (ECG)
Engineering Research Center (ENGRC)
Goldwater Center For Science & Engineering (GWC)
Interdisciplinary Science & Technology Building I (ISTB1)
Noble Science Library (NOBLE)
Sun Devil Fitness Complex (SDFCT)
Wexler Hall (WXLR)

Zone D

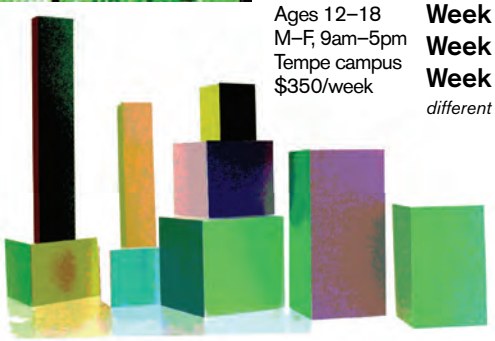
Biodesign Institute Building B (BDB)
Biodesign Institute Building C (BDC)
Interdisciplinary Science & Technology Building IV (ISTB4)
Psychology Building (PSY)
Psychology North (PSYN)
Ross-Blakley Hall (RBHL)


Zone B
Zone C
Zone D
Veterans Way
<<< To Sun Devil Stadium <<<
Alpha Dr
Under Construction
University Dr
Tyler Mall
Orange Mall
Lemon Mall
Palm Walk
McAllister Mall
McAllister Ave
Hayden Mall
Normal Ave
Rural Rd
Apache Blvd
Tyler St
Terrace Mall
Lemon St
> 7 minutes to McAllister Mall
> 7 minutes to Orange Mall
HSB
UCLUB
MAIN
LSC
LSA-B-D
LSE
CP
STPV
MUR
PEBW
MCRD
BAC
PSH
PSD
PSG
PSC
PSF
PSB
PSA
WEXLR
ISTB5
GWC
ECG
NOBLE
ENGRC
ECB - ECF
ISTB1
SCOB
ECA
CPCOM
BKSTR
PEBE
ARM
RBHL
SDFC Intramural Fields
SDFC
USE
ISTB2
PSYN
PSY
LDS PS
LDS
TYLER ST.
BDC
BDB
SKYSPACE
BDA
ISTB4
RURAL RD.
CHPF
TKRHA
TKRHD
TKRHC
PVE
MANZH
CHUPA
JOBA
AGVHAL
CERHAL
Walking Distances/Times (approx.)
ISTB4 to Old Main (MAIN): 10 minutes
Lot 20 to Memorial Union (MU): 8 minutes
Fulton Parking to SSV: 10 minutes

DIGITAL CULTURE SUMMER INSTITUTE

Join faculty at the School of Arts, Media and Engineering for a creative, interdisciplinary, project-focused summer program in state of the art digital labs.

- Code for Games • Digital Fabrication
- Interactive Media • Sound Design
- Video Editing • Electronics for Artists
- 3D Design and Animation



Ages 12–18
M–F, 9am–5pm
Tempe campus
$350/week

Week 1: June 10th–14th
Week 2: June 17th–21st
Week 3: June 24th–28th
different classes offered each week

ASU
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opendoor.asu.edu

Bateman Physical Sciences Center F (PSF)

Glassblower Demonstrations

Outdoors, South Plaza

Christine Roeger (scientific glassware designer and supervisor of the glassblowing facility), will join in the fun with her fire art demonstrations every 30 minutes. She impresses large audiences with her skills, keeping them in awe for hours as she makes barometers in the shape of swans, teapots and other catching objects.

Host: School of Molecular Sciences

• Middle school • Natural Science

What Chemistry is All About - Science is Fun

Outdoors, South Plaza

A spectacular series of hands-on chemical demonstrations for kids of all ages presented by the Student Affiliates of the American Chemical Society.

Host: School of Molecular Sciences

• Middle school • Natural Science

Musical Flame Thrower - Ruben's Tube

Outdoors, South Plaza

A Rubens' tube, also known as a standing wave flame tube, or simply flame tube, is an antique physics apparatus for demonstrating acoustic standing waves in a tube. Invented by German physicist Heinrich Rubens in 1905, it graphically shows the relationship between sound waves and sound pressure, as a primitive oscilloscope. Today, it is used only occasionally, typically as a demonstration in physics/chemistry education. We will attach an electric guitar and a violin to the tube.

Host: School of Molecular Sciences

• High school & up • Natural Science

Electron Race

Outdoors, South Plaza

Join our "electron race" where kids of all ages go through the electron transport chain of photosynthesis as they encounter "molecular machine" obstacles while learning about photosynthesis. Come participate or cheer others on!

Host: School of Molecular Sciences

• Elementary school & under • Natural Science

Lab Demo: Secondary Ion Mass Spectrometer (SIMS Lab)

3-6 p.m.

Lower Level, Room F-94

Secondary ion mass spectrometry (SIMS) is an analytical tool for materials science, earth science and cosmochemistry. Examples of ion imaging, high mass resolution and elemental sensitivity will be shown.

Host: School of Earth and Space Exploration (SESE)

• Middle school • Natural Science

A New Way To Teach: Center for Education Through eXploration (ETX)

First Floor, Lobby, Behind the Pendulum

The ETX Center promotes a new way of teaching. Traditional approaches, especially in science, emphasizes mastery of facts, teaching from authority and disciplinary silos. Users will sample BioBeyond, the first online course of its kind, which utilizes VR (virtual reality) as a way to gain education through exploration.

Host: School of Earth and Space Exploration (SESE)

• Middle school • Natural Science

Ronald Greeley Center for Planetary Studies

Fifth Floor, Room 513

The newly-renovated Ronald Greeley Center for Planetary Studies is a NASA data center that archives images from all of NASA's planetary missions. Come view images from all the planets and moon on our Magic Planet projector! Come play our games for kids and snag a free NASA poster.

Host: School of Earth and Space Exploration (SESE)

• Middle school • Natural Science

Engineering Center C (ECC)

Nature-Inspired Robots

First Floor, Room 107

This activity will have two different parts involving search and rescue and medical robots developed at the BIRTH lab: 1) Learn how to walk on sand from a search and rescue basiliskbot; 2) Move a medical magnetic robot through a maze.

Host: School for Engineering of Matter, Transport & Energy

• Elementary school & under • Engineering

Engineering Center F (ECF)

Laser Cutting and 3D Printing

First Floor, Room 103

Experience laser cutting, 3D printing and recycling 3D printer waste in Ira A. Fulton Schools of Engineering 3D Print and Laser Cutter lab.

Host: Ira A. Fulton Schools of Engineering 3D Print and Laser Cutter Lab

• Middle school • Engineering

Fun with Biomaterials

First Floor, Room 115

The Holloway Lab is a tissue engineering lab that focuses on engineering biomaterials for regenerating severely injured tissue. Each human tissue is different, and we want to mimic the natural properties that are observed within your healthy tissue. To do so, we focus on the delivery of bioactive materials (e.g. growth factors), making materials that are similar in architectural properties to natural tissue and mechanically testing our material. Come visit the Holloway Lab to perform drug delivery experiments, learn and make your very own gel bead biomaterials and see how we can test for different mechanical properties.

Host: Holloway Lab

• Middle school • Engineering

Future Engineers

First Floor, Room 120

The Grand Challenge Scholars Program recognizes and focuses on training engineers to be quipped with skills necessary to solve future and global problems - lack of food and clean water in rural areas, exploring space, etc. This activity aims to introduce participants to one of the great issues that needs to be solved in the future by engineers. Come learn how to think like an engineer and work together in a hands-on activity that encourages critical thinking and problem-solving.

Host: Grand Challenge Scholars Alliance (GCSA)

• Elementary school & under • Engineering

Wheel of Destiny

First Floor, Room 122

Spin the Wheel of Destiny to discover which of our 25 disciplines within the Fulton Schools of Engineering is right for you! Meet members of the Fulton Schools Recruitment team to learn how you can join our programs!

Host: Academic & Student Affairs, Recruitment

• High school & up • Engineering

Engineering Center G (ECG)

Fun with Water Flows

Outdoors, Patio

Join Engineers Without Borders to build and simulate dams and water flows. Participants will be able to use sand and flowing water to emulate the projects currently being done by our chapter of Engineers Without Borders in northern Arizona. This hands-on activity will give participants a chance to learn about the behavior of fluids and real-world applications of these concepts.

Host: Engineers Without Borders

• Elementary school & under • Engineering

Zone C

Engineering Center G (Continued)

Sustainability Planters With SWE!

Outdoors, Patio

Join the Society of Women Engineers for this fun and crafty DIY project to learn about sustainability in a creative atmosphere. While making plant pots out of recycled materials, participants will learn about various daily steps that can be taken to be mindful about our impact on the Earth.

Host: Society of Women Engineers (SWE)

• Middle school • Sustainability

Snap Circuit Demonstration

Outdoors, Patio

The Electrical Engineering Honors Society (HKN) will demonstrate the fundamentals of electrical engineering through snap circuits.

Host: Eta Kappa Nu (HKN)

• Middle school • Engineering

Rubber Band Helicopters

Outdoors, Patio

Use rubber bands, Popsicle sticks, propellers and construction paper to assemble your very own rubber band helicopter. Launch it into the air by winding up the rubber band and catch it as it floats down.

Host: American Helicopter Society

• Elementary school & under • Engineering

AmazingBots

First Floor, Room 101

If you are looking for fun through project-based activities, then stop by our activity to get your kids inspired by simple and fun LEGO built robots! From robots that sort out colors to those that navigate through mazes - yes - the kids will be amazed!

Host: Education in Robotics (EduRob)

• Middle school • Engineering

Gravity, Electric Propulsion and Spacecraft!

First Floor, Room 101

Have you ever wanted to learn about how gravity works? Come to our gravity-well demonstration where we will explain this concept using just marbles, cloth, and a hula hoop! We will also be showcasing the phenomenon of the Lorentz force, a 3D model of an ion thruster, the Phoenix CubeSat Mission, and more! Our members will be teaching you all about spacecraft technology and what our club is up to this year during the presentations, so stop on by!

Host: Sun Devil Satellite Laboratory

• Elementary school & under • Engineering

Look Inside the Nano World

First Floor, Room 140

Come operate a scanning electron microscope! The Nano World exhibit will take you on a journey into the World of the Very Small with just a few clicks of a mouse. Nanoscale science and technology make use of materials having dimensions or features approximately in the 1 to 100 nanometers range. That's 1,000 times smaller than the diameter of a human hair! You will operate a scanning electron microscope via remote control and view features of objects at up to 100,000x magnification. You will also be able to speak with researchers about the solutions nanotechnology can offer society.

Host: Nanotechnology Collaborative Infrastructure Southwest (NCI-SW)

• Middle school • Engineering

How to Manage Your Privacy on Social Media
3-5 p.m.

First Floor, Room 141

What are the dangers of posting on Facebook, Instagram and Twitter? What does it really mean to be Private? Public? Do you know who is allowed access to your posts? Can you prevent social media from tracking you? Backed by privacy research done by Dr. Lalitha Sankar, an Associate Professor in Electrical Engineering, this program explores the ways your data is collected, processed and used by social media networks. You will get to play as a favorite movie character that represents your online activity, while learning tips about staying safe online and the importance of your social media presence.

Schedule: 3:00 p.m., 3:30 p.m., 4:00 p.m., 4:30 p.m.

Host: School of Electrical, Computer and Energy Engineering

• Middle school • Engineering

Engineering Research Center (ENGRC)

Work Alongside an ASU Solar Engineer and Create Your Own Solar Cell

First Floor, Room 106

Laboratories, such as ASU's Solar Power Laboratory (SPL), create their own silicon solar cells for research. At the SPL, silicon wafers are purchased, but all the processing is done within the building's cleanroom, the main area housing the chemical baths and tools is free of contaminants. In this activity, participants make their way through the laboratory process of making solar cells, creating their own mock solar cell to take home. Participants follow the steps while learning how solar cells are manufactured, why these processes are done and problems that solar engineering scholars are attempting to solve via research.

Host: Quantum Energy and Sustainable Solar Technologies (QESST)

• Middle school • Sustainability

Goldwater Center For Science & Engineering (GWC)

Advancing Technology for Humanity

Outdoors, Across From Entryway

This activity involves playing a game of mix-and-match. There will be names of people and the company they founded which is making the world a better place. Participants must identify the photo and match it with the person's name and company logo. The winning team will receive a prize!

Host: Institute of Electrical and Electronics Engineers (IEEE) ASU Student Branch

• High school & up • Engineering

Microbes for Biofuels and Biochemicals

Outdoors, Entryway

This activity will let participants know about different microbes used in industries and how they are modified in the laboratory for producing biofuels and biochemicals. There will be hands-on activities for the kids to create toy microbes. Displays of blue-green algae used for producing renewable chemicals from carbon-dioxide along with the lab scale photo-bioreactors will be available. The basic experimental setups used for modifying microbes will be present. Microbes modified to fluorescence will also be displayed in bioreactors.

Host: School for Engineering of Matter, Transport & Energy

• Middle school • Sustainability

Learn from Nature! Experiments in Biogeotechnical Engineering

First Floor, Room 111

Mother Nature is Earth's greatest design engineer and the researchers at the Center for Bio-mediated & Bio-inspired Geotechnics (CBBG) are following in her steps. Come try hands-on experiments and discover how CBBG engineers are working to develop efficient, ecologically friendly and cost-effective solutions that are inspired by nature!

Host: Center for Bio-mediated and Bio-inspired Geotechnics (CBBG)

• High school & up • Engineering

EEE 202 Circuits I Lab Experience

1-4 p.m.

Second Floor, Room 273

Come and experience what every undergraduate engineering student has to experience...Circuits I Lab and learn the basics of electricity. Experience what students do in the Circuits I Lab as you are led through the steps by a current Circuits I Lab teaching assistant during this 20 minute excursion.

Schedule: 1:10 p.m., 1:40 p.m., 2:10 p.m., 2:40 p.m., 3:10 p.m., 3:40 p.m.

Host: School of Electrical, Computer, & Energy Engineering

• High school & up • Engineering

Interdisciplinary Science And Technology Building I (ISTB1)

Studying Disease on Chips

First Floor, Room 153G

How does the body change when diseases like heart attack and cancer occur? Can these changes be reversed? How can we study these changes? Come and learn how we can make chip-sized models to study various diseases and their progression. Explore the biology behind heart attack and cancer.

Host: School of Biological and Health Systems Engineering

• High school & up • Engineering

Noble Science Library (NOBLE)

Make a Robot!

Outdoors, Entrance

Join in the fun and excitement of the ASU maker community by learning how to make a simple and tiny robot called a BristleBot! ASU Library is just one of many maker communities all over the world that provides creative space for people, ideas and tools to come together – a place where fun and learning go hand-in-hand. You will also get the chance to race your robot.

Host: Hayden Library

• Elementary school & under • Engineering

Experience ASU Online Through Augmented Reality

First Floor, Lobby

ASU Online will share an augmented reality experience to show participants some of the innovations ASU is employing to deliver a premium online college experience. The experience will offer a unique perspective into a day in the life of our online students - showcasing the relationships and technologies that are the foundation of all of our programs.

Host: EdPlus at ASU

• High school & up • Student Life

Sun Devil Fitness Complex (SDFCT)

RED INK Tipi Experience

Outdoors, East Field

ASU's Red Ink Indigenous Initiative presents cultural stories from Indigenous communities for children and adults. Each session is facilitated in a traditional tipi setting by tribal storytellers.

Host: Department of English

• Elementary school & under • Culture/Language

Wexler Hall (WXLR)

Can the Math Swami Read Your Mind?

Outdoors, North Patio

Our world-famous Math Swami is a master of minds, lord of logarithms, prince of primes. And he can read your mind. That's right, Math Swami can accurately guess the number you are thinking of. Come by and see if you can outwit his predictive powers. You might need to bring your own crystal ball.

Host: School of Mathematical & Statistical Sciences

• Middle school • Natural Science

Sparky's Garden

First Floor, Room A102

ASU Preparatory Academy Tempe high school students are learning how to develop a sustainable garden on campus. Come decorate your own Sun Devil planter to take home for your own garden.

Host: ASU Preparatory Academy

• High school & up • Sustainability

Math is Changing the World - Find Out How

First Floor, Room 118

Did you know math is used to understand how neurons change in the brain? Or how weather and climate change impact Phoenix? Or how malaria might spread in a given region? Interact with our world-class mathematicians and find out more. Math is changing the world - and you can, too.

Host: School of Mathematical and Statistical Sciences

• High school & up • Natural Science

Paper Plates, Tetrahedrons, and Balloons — Oh, My!

First Floor, Room 118

Geometric sculptures and hands-on activities all demonstrate that math is a living, creative, joyful subject – and that math is cool! Use colorful gumdrops and toothpicks to construct your own tetrahedron. Connect paper plates to create a decorative polyhedron. Or twist long, thin balloons into amazing 3D geometry. Math fun for all ages.

Host: School of Mathematical & Statistical Sciences

• Elementary school & under • Natural Science

A Picture Worth 100,000 Dots

First Floor, Room 118

Have your photo taken and transformed into a unique piece of TSP art. Known as Traveling Salesman Problem art, it uses math to convert an image into 100,000 dots and then draws a single line to connect all the dots. If you drew it by hand, you would use one single stroke without lifting your pencil. Math helps us figure the best route. Stop by and take home a printout of your own custom TSP art.

Host: School of Mathematical & Statistical Sciences

• Middle school • Natural Science


Explore
An epic adventure with hands-on exploring.
Explore Biodesign from 1–6 p.m.
Biodesign B, ASU Tempe Campus • Zone D
727 E. Tyler St., Tempe, AZ 85281
www.biodesign.asu.edu
ASU Biodesign Institute
Arizona State University

Biodesign Institute Bldg B (BDB)

HPV Test
Lower Level, Atrium

Point-of-Care development of assays bring the lab to you. Simple like a urine test, your HPV pre-diagnostic tool for HPV-associated cancers. Our display includes a machine that generates test strips, we will have strips currently on the market to demonstrate our vision of the future.

Host: Biodesign Institute

- Middle school • Natural Science

Where's Wormo?
Lower Level, Atrium

Children look for the rolling worm on a plate of non-rolling worms under a microscope. Demonstrations will teach guests about how nematodes can be used as a model system to study biological processes in humans.

Host: Biodesign Institute

- Middle school • Natural Science

Liquid Nitrogen Ice Cream
Lower Level, Atrium

We will be making liquid nitrogen ice cream with different extracts, milk, cream and sugar.

Host: Biodesign Institute

- Middle school • Natural Science

Alzheimer's Brain
Lower Level, Atrium

Participants can look through two microscopes to view and compare a brain tissue slide containing the pathology indicated in Alzheimer's, as well as one without these plaques and tangles. There will be a partial human brain available to view and a sealed piece of brain tissue to touch. Also available will be informative resource pamphlets and a sample of one of the cognitive tests used in determination/diagnosis of Alzheimer's disease.

Host: Biodesign Institute

- Middle school • Natural Science

Training T Cells
Lower Level, Atrium

Participants will throw a colorful ball representing t cells at the immune system where it will attack cancer cells. A candy prize will be given to those who successfully Velcro a t cell to a cancer cell.

Host: Biodesign Institute

- Middle school • Natural Science

Clean-Up Bugs
Lower Level, Atrium

Easter eggs filled with candy will be hidden in a soil/sand box representing molecules of "pollution". Remove the "pollution" with bacteria hand puppets, simulating bioremediation.

Host: Biodesign Institute

- Elementary school & under • Natural Science

Specificity Like Lock and Key
Lower Level, Atrium

Lock and key game represents antigen recognition in Nucleic Acid Programmable Protein Array.

Host: Biodesign Institute

- Middle school • Natural Science

30-Second BMI Puzzle
First Floor, Atrium

We will challenge kids to complete a jigsaw puzzle about BMI (Body Mass Index) in less than 30 seconds. If accomplished, they get a chance to spin the prize wheel.

Host: Biodesign Institute

- Middle school • Natural Science

The Possibilities of Algae
First Floor, Atrium

The project will highlight the potential of algae, including its use in biofuels, animal feed, food and nutraceuticals. We will have an example flat-plate photobioreactor and examples of algae products.

Host: Biodesign Institute

- High school & up • Natural Science

Visualizing Viruses
First Floor, Atrium

Make an origami virus and see how light is used to spy on these tiny survivors. Explore viruses in this safe visitor display, check out what they look like in 3D and take a virus quiz and peer into a microscope to see how different infected versus uninfected cells look.

Host: Biodesign Institute

- Middle school • Natural Science

Detergents and Fats
First Floor, Atrium

We will be putting food coloring into milk that is on a plate. Then, we will have a cotton swab with dish soap on it to show how fat molecules move due to the reaction between the detergent and the fat.

Host: Biodesign Institute

- Middle school • Natural Science

Zone D

Biodesign Institute Bldg B (continued)

Fighting Superbugs

First Floor, Atrium

This activity will show how optics can identify antibiotic-resistant bacteria. Participants will use various microscopes to look at resistant bacteria. Graphics will show information about how bacteria becomes resistant. We will hand out a paper microscope that participants can take home.

Host: Biodesign Institute

- Middle school • Natural Science

Saving the World With Viruses!

First Floor, Atrium

Computer slide shows, Styrofoam models and sterile dishes will demonstrate how we manipulate viruses and use them in order to make better and safer treatments.

Host: Biodesign Institute

- Middle school • Natural Science

Cancer Treatment and Vaccine

First Floor, Atrium

Using video, a model and candy to introduce how our engineered Salmonella are attracted by tumors and eat tumors. Kids will make models of engineering Salmonella using balloons.

Host: Biodesign Institute

- Middle school • Natural Science

Get Lost

First Floor, Atrium

Navigate a small maze and use your success to contribute to the overall navigation of a larger maze. See how getting "lost in the woods" is a part of every discovery. When you get through to the end, your success can add to the success of your entire community.

Host: Biodesign Institute

- Middle school • Natural Science

Seeing Molecular Machines in Virtual Reality

First Floor, Atrium

See a demonstration of how virtual reality is used to visualize nature's molecular machines to solve important global health and energy challenges. Our presentation, combined with virtual reality goggles will show you how they work.

Host: Biodesign Institute

- High school & up • Natural Science

Be an Astronaut

First Floor, Atrium

Be an astronaut scientist at this station! Just suit up, design your own spaceflight biological experiment, launch it to the International Space Station and analyze the results.Talk with a NASA scientist about the testing and monitoring that NASA performs or ask about the astronauts and equipment that is sent or retrieved from the space station. Take a photo of yourself as an astronaut. Don't forget to collect your NASA certificate and official NASA calendar.

Host: Biodesign Institute

- Middle school • Natural Science

What Does Lab-Made Food, FBI Agents and Robots Have in Common?

First Floor, Atrium

Would you eat meat that was made in a petri dish in a lab? Did you ever dream of building a robot? Have you ever wondered what FBI agents do to keep our communities safe? You can learn about all three topics at our activity! Be greeted by SUNI the robot, who was built from scratch and be inspired to create your very own robot when you learn how they are being used in science applications!

Host: Biodesign Institute

- Middle school • Natural Science

Super Serpins Speed Race

First Floor, Atrium

Serpins are protease inhibitors found in all kingdoms of life. Protease inhibition by serpins controls an array of biological processes, including coagulation and inflammation, and consequently these proteins are the target of medical research.Visitors will get a chance to do a color matching and balancing activity demonstrating the specificity of the serpins along with how they are involved in a balancing act of coagulation and lysis. Compete in the balancing race and win a treat!

Host: Biodesign Institute

- Middle school • Natural Science

Black Box, How is Science Done?

First Floor, Atrium

Visitors will get a sealed black box with one of 10 different geometric shapes and a marble that rolls around. By listening and feeling, the visitor will try to figure out what shape is inside the box. By experimenting, visitors form hypotheses and test them. Eventually, they form a model. This is how scientists work by observing what can be seen and heard and forming models of what they are studying.

Host: Biodesign Institute

- Middle school • Natural Science

Molecular Machines

First Floor, Atrium

Learn about the fascinating world of nature's molecular machines called proteins. These proteins help living things do amazing things like convert sunlight into fuel, help viruses attack and protect us from diseases. We will have hands-on activities that let you see proteins like never before, including virtual reality using your own smartphone! You will also get the chance to make your own balloon virus!

Host: Biodesign Institute

- High school & up • Natural Science

Superpower Biomarker

First Floor, Atrium

Play a computer game to recognize patterns from Nucleic Acid Programmable Protein Arrays (NAPPA) between people with and without a random disease.

Host: Biodesign Institute

- Middle school • Natural Science

Glimpse the Future of Medicine with Biomedical Informatics

First Floor, Atrium

Cutting edge technology meets medical need at this station that invites visitors to explore the world of biomedical informatics where people use technology to solve problems in the medical world. Check out the genomic sequencing chip and other tools and find out what you already know about the field by playing BMI Jeopardy.

Host: College of Health Solutions

- High school & up • Health & Wellness

Killing Cancer with Viruses

First Floor, Atrium

Visitors will see how cancer could one day be treated with a virus. Mix ingredients to create a glowing solution representing cancer. Then quench the cancer with a virus treatment and watch the cure spread.

Host: Biodesign Institute

- High school & up • Natural Science

Hidden Helpers

First Floor, Atrium

This interactive display shows how microbes can help purify and harvest energy from waste water.

Host: Biodesign Institute

- Middle school • Natural Science

Fold-It

First Floor, Atrium

Our station will have a computer game depicting the folding of proteins.

Host: Biodesign Institute

- Middle school • Natural Science

Your Body's Special Forces

First Floor, Atrium

Find your hero blood cells! Look at stained samples through the microscope to find and identify the different white blood cells in your body.

Host: Biodesign Institute

- Middle school • Natural Science

Microplastics and Whale Poop

First Floor, Atrium

Visitors will learn how animals cope with microplastics in their diet and discover that whale poop doesn't stink. Children can use salad tongs as bird beaks to eat dried beans while trying to avoid plastic particles.

Host: Biodesign Institute

- Middle school • Natural Science

Trust Your Gut Microbiome

First Floor, Atrium

Learn about how the gut microbiome effects autism by watching a video about a clinical study and talking with researchers. Spin the wheel to answer a question about the microbiome and health. Those who answer correctly will win a pencil. Visitors can stick their heads through a cutout cartoon of bacteria and have their photos taken with a Polaroid.

Host: Biodesign Institute

- Elementary school & under • Natural Science

Evolve Yourself

First Floor, Atrium

Choose how a computer evolves a picture! See how evolution can paint famous images! Play our computer game to evolve cars: whoever keeps moving wins!

Host: Biodesign Institute

- Middle school • Natural Science

Change Over Time

First Floor, Atrium

See various examples of phenotypic change over time. Understand developmental biology by looking at water fleas at a microscopic level along with an explanation of sampling error in small edible population of M&Ms. Biology has never tasted sweeter.

Host: Biodesign Institute

- Middle school • Natural Science

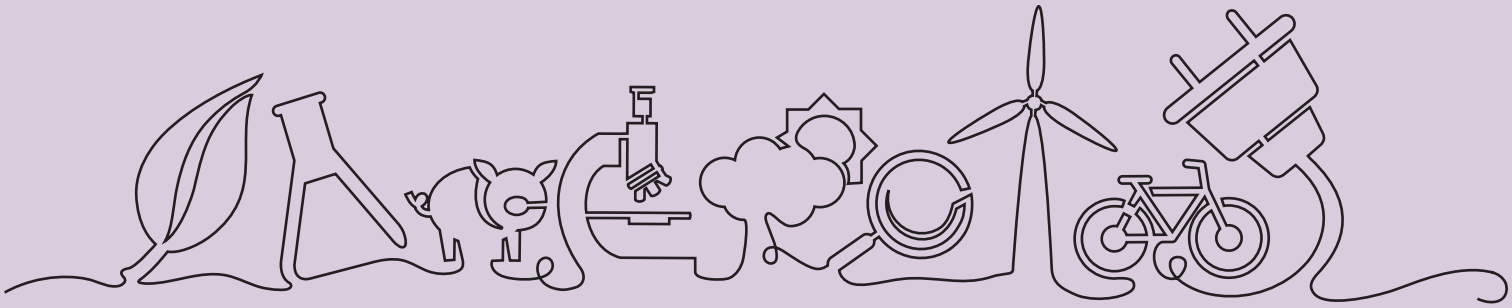
DNA Matching

First Floor, Atrium

Participants will cut out pieces of paper that have DNA labels on it in order to show a restriction digest enzyme. Then, they will cut out part of the DNA and to match to the enzyme in order to "create" a product, much like what occurs in our bodies. Participants can receive a small prize once the activity is completed.

Host: Biodesign Institute

- Middle school • Natural Science



SUSTAINABILITY solutions festival

(re)imagine how we connect

Sustainability Central
Biodesign Institute Bldg C (BDC) – Outdoors, Patio

Sustainability Central

Come check out the 2019 Sustainability Solutions Festival! Partner organizations from around Arizona will be on hand to share the latest innovations in creating a better future for all. Learn about Arizona's wildlife and discover ways you and your family can have a positive impact on our community.

• Middle school • Sustainability

Creative Reinvention

Can you guess what recycled material various items are made from? During this challenge, you will learn about the concept of a circular economy and see creative, clever and surprising examples of pre- and post-consumer recycling.

• Middle school • Sustainability

Capturing Carbon from Mid-Air

Can you imagine artificial "trees" solving our climate change issues? ASU Professor Klaus Lackner's carbon capture technology captures CO2 from the atmosphere 1,000 times more efficiently than trees. The Carbon Capture display demonstrates how carbon capture technology work and allows participants to interact with it.

• High school & up • Sustainability

EFFICIENCY: It's a bird! No, it's a train!

In this activity, learn how a bird inspired an engineer to build a faster, quieter and more efficient bullet train. Over 3.8 billion years, nature has found efficient solutions to move and live on land, through the air or under the sea. When we look to nature to improve the things we make, it's called "biomimicry." After completing this activity, you will be awarded a Transportation station recipe card. Collect all six recipe cards and you will be recognized as a Sustainability Super Hero and be awarded a prize pack!

• Elementary school & under • Sustainability

Future Builder

Can you create a sustainable future city? Future Builder introduces the three pillars of sustainability society, economy and environment and allows participants to consider the trade-offs associated with building different things, especially the high cost and relative scarcity of valuable resources.

• Middle school • Sustainability

Resource Innovation Solutions Network

Do you have a great idea to reduce the amount of waste that goes to our landfills? If so, we invite you to share it. Explore how you can turn trash into something valuable and explore what it takes to become an entrepreneur. The RISN Incubator is a business accelerator for entrepreneurs to new ways to use waste with the goal of moving a circular economy.

• High school & up • Sustainability

Salt River Project: Wild About Sustainability!

As part of our commitment to the communities we serve, SRP has partnered with ASU to reward and celebrate sustainability solutions. Discover how SRP delivers more than water and power through an interactive museum display highlighting Arizona wildlife as well as their partnership with ASU and families like yours. Learn how you can make changes in your home that will create a better future for all.

• Elementary school & under • Sustainability

Sustainability Super Hero

You have the power to create a better world for all living things! Come and explore the many ways you can change your behavior and influence your community for the better.

• Elementary school & under • Sustainability

Water Roll

You decide where our water should go! The Colorado River supplies water to seven states, including Arizona. In this interactive game, participants use marbles and tubes to allocate one of our most important and scarcest resources: fresh water. You get to decide how much water to send to farms, factories and homes. After completing this activity, you will be awarded a Water station recipe card. Collect all six recipe cards and you will be recognized as a Sustainability Super Hero and be awarded a prize pack!

• Middle school • Sustainability

Zone D

Biodesign Institute Bldg B (continued)

Here, There and Everywhere

First Floor, Atrium

Come visit our viral photo booth where you can hunt and identify 3D virus particles!

Host: Biodesign Institute

- Middle school • Natural Science

Glowing Plants

First Floor, Atrium

Check out our demonstration of transiently expressing GFP plants by UV stimulation and interactive infiltration activity. People of all ages can infiltrate water into our plants to simulate agroinfiltration.

Host: Biodesign Institute

- Middle school • Natural Science

Density of Water

First Floor, Atrium

We will have several different sugar/water/food coloring combinations. We will take a glass straw and pick up the water to show how different densities of water will remain separated. We will have little glass beakers or flasks to show this as well.

Host: Biodesign Institute

- Middle school • Natural Science

Biodesign Institute Bldg C (BDC)

Exploring the Origins of Life: Build a Bubbling Blob Lava Lamp

Outdoors, Patio

Build a multi-colored bubbling blob lava lamp that will delight your senses. A combination of oil, water, food coloring and a special super secret ingredient creates a dazzling array of bubbles that move and flow in a bottle container. Learn about the relationship of bubbles to the origins of life.

Host: Biodesign Institute

- Middle school • Natural Science

Animal Battle Game

Outdoors, Patio

Participants can play a card game with various animal and life strategies. The game will give the player a basic understanding of Peto's Paradox, the idea that larger animals have more occurrence of cancer. Our game will show that the paradox is actually false.

Host: Biodesign Institute

- Middle school • Natural Science

Endless Forms Most Beautiful

Outdoors, Patio

Come see our garden that shows how genetic mutations can create new and sometimes beautiful forms of life.

Host: Biodesign Institute

- Middle school • Natural Science

Interdisciplinary Science And Technology Building IV (ISTB4)

Mobile-NEWT Trailer

Outdoors, Concourse

The Mobile-NEWT (Nano-Enabled Water Treatment) is a customized, enclosed trailer with a dimension of 14'x7' on a dual-axle for easy hauling and deployment. It is built with a large concession side-window for public viewing, interaction, education and for the dissemination of knowledge on Nano-technologies based water treatment. The overall goal of the Mobile-NEWT is to incorporate the advances of Engineering Nano-materials (ENMs) into modular water treatment systems. The ENMs integrated devices at the Mobile-NEWT are tested under actual field settings to validate Nano-based technologies in further driving innovations under the continuous-flow and water treatment conditions.

Host: Nanotechnology Enabled Water Treatment (NEWT)

- High school & up • Engineering

Drive a Robot with ASU/NASA Space Grant Robotics

Outdoors, North Plaza

Robotics for all ages! Drive an underwater robot or a remote controlled land rover and meet the ASU/NASA Space Grant Robotics Team.

Host: School of Earth and Space Exploration (SESE)

- Middle school • Engineering

ISTB 4 - Gallery of Scientific Exploration - Three floors to explore!

First, Second & Third Floors

The Gallery of Scientific Exploration showcases ASU's research of our dynamic Earth and way beyond! See scale models of the Mars Curiosity rover, Saturn V Rocket, experience Magic Planet, Meteorites and these Open Door exhibitors: Earth Impact Craters, ASU/NASA Space Grant Scholars, Astrodevils, Life Beneath, Sun Devil Satellite Lab, Low-frequency Cosmology Group (LoCo Lab), Psyche Asteroid Mission, The Planetary Society @ ASU, Experimental Petrology and Igneous processes Center (EPIC Lab) and much more. Floors 1, 2 and 3 of ISTB 4 will be accessible.

Host: School of Earth and Space Exploration (SESE)

- Middle school • Natural Science

NASA's Psyche Asteroid Mission

First Floor, Lobby

Psyche is both the name of an asteroid orbiting the Sun between Mars and Jupiter — and the name of a NASA space mission to visit that asteroid, led by ASU. Join us and take a picture with a papier-mâché Psyche, color the mission badge and try out a virtual reality activity!

Host: School of Earth and Space Exploration (SESE)

- Middle school • Natural Science

Zone D

Interdisciplinary Science And Technology Building IV (Continued)

Lunar Polar Hydrogen Mapper (LunaH-Map): Small Spacecraft, Big Science

First Floor, Lobby

The Lunar Polar Hydrogen Mapper (LunaH-Map) is about the size of a shoebox, but it will do big science as it maps the Moon and seeks to measure hydrogen that may be present at the Moon's polar regions. LunaH-Map is a 6U CubeSat mission selected by NASA and led by researchers and students at ASU's School of Earth and Space Exploration. LunaH-Map is scheduled to launch in 2020. The spacecraft and its team have been through many challenges. Come and meet the team, view the model, and send your name to the Moon!

Host: School of Earth and Space Exploration (SESE)

- Middle school • Natural Science

Marston Exploration Theater - 3D Programs

First Floor, Room 185

The School of Earth and Space Exploration will showcase research of our dynamic Earth and way beyond in the Marston Exploration Theater. Live presentations run throughout the Open Door event. Recommended for ages 5 and up. To ensure seating, free tickets will be distributed for all shows at the ISTB 4 Information Desk.

Schedule: 1:15 p.m., 2:40 p.m., 3:50 p.m., 4:05 p.m., 5:15 p.m.

Host: School of Earth and Space Exploration (SESE)

- Middle school • Natural Science

Center for Meteorite Studies: Is Your Rock a Meteorite or "Meteorwrong"?

Second Floor, Gallery

Every meteorite tells a story. See and touch real meteorites and meet the people who study them. Think your favorite rock might be a meteorite? Bring it with you and the experts will let you know if it is a meteorite or a "meteorwrong". The Center for Meteorite Studies is the largest university-based collection of meteorites on the planet.

Host: School of Earth and Space Exploration (SESE)

- Middle school • Natural Science

Army ROTC Obstacle Course, pg. 13

Explore the World of Carbon Recapture Technology

Third Floor, Crater Carpet

Visit the Center for Negative Carbon Emissions to Explore the world of carbon recapture technology. Explore and learn why it is important and how it will impact our future.

Host: School of Sustainable Engineering and the Built Environment

- Middle school • Natural Science

Life in the Universe

Third Floor, Crater Carpet

How did life begin? Are we alone in the universe? Life in the universe may be different than what you think. Come draw your best alien life form and learn about alien life in the universe. Also, discover how the Beyond Center confronts the Big Questions, such as "Is time travel possible?" "Can we communicate with aliens?" "Where do the laws of nature come from?" And so many more!

Host: Beyond Center for Fundamental Concepts in Science

- Elementary school & under • Natural Science

Exploring Nanotechnology

Third Floor, Crater Carpet

Come try some fun hands-on activities to learn about nanotechnology and how the same ideas show up in everyday objects and products!

Host: Materials Science and Engineering

- Middle school • Engineering

Urine for a Surprise!

Third Floor, Crater Carpet

Urine diversion is a sustainable alternative for wastewater treatment. Urine diversion allows for water conservation, nutrient recovery for agriculture and reduction of pharmaceutical pollution. At this activity, participants will perform a nutrient recovery technology that recovers valuable nutrients for agriculture. Urine for a surprise!

Host: School of Sustainable Engineering and the Built Environment

- Elementary school & under • Engineering

Nanotechnology Enabled Water Treatment Demonstrations

Third Floor, Crater Carpet

Nanotechnology is a growing field and here at ASU the Nanotechnology Enabled Water Treatment (NEWT) Center works on applying that technology in new and exciting ways. Come talk to our students about their research, try hands-on demonstrations and learn about how nanotechnology offers advantages for making our water safe for us to use.

Host: Nanotechnology Enabled Water Treatment (NEWT) Center

- Middle school • Engineering

Water Treatment Demonstrations

Third Floor, Crater Carpet

See hands-on demonstrations on topics ranging from how we obtain our water to what steps we take to make sure it's safe to drink. Talk to graduate students about their research on how we ensure everyone has access to safe, clean water resources.

Host: Nanotechnology Enabled Water Treatment (NEWT) Center

- Middle school • Engineering

Psychology Building (PSY)

Learning and Development Lab

Outdoors, Patio

How do children learn words? How does language experience, like bilingualism, change learning and development? We are scientists in developmental psychology working to better understand how young children learn about the world around them. Stop by with your little ones to play some child-friendly games and learn more about how you and your child scientist can participate in our studies and contribute to the science behind children's learning.

Host: Department of Psychology

- Elementary school & under • Natural Science

Child Emotion Center/Arizona Twin Project

Outdoors, Patio

Within the Arizona Twin Project, Dr. Kathryn Lemery-Chalfant, Dr. Leah Doane and Dr. Mary Davis, along with many collaborators, are conducting two overarching studies. One focuses on the genetic and environmental influences on sleep and other biological factors, while the second focuses on physical health and the intergenerational transmission of pain. Utilizing a twin sample allows researchers to disentangle the genetic and environmental contributions on a particular trait. Further, having a highly diverse sample affords us the opportunity to consider the impact of acculturation, as well as the interplay between culture and genetics.

Host: Department of Psychology

- Middle school • Natural Science

Clinical Psychology Center

Outdoors, Patio

The Clinical Psychology Center serves adults and children in the community using evidence-based therapies, including therapies that use mindfulness techniques. Stop by to engage in some empirically-supported mindfulness activities for adults and children. Become mindful of your body and emotions through mindful movement and using a mindful jar. Engage your senses with our sensory table to become more aware of the present moment and to richness of everyday life.

Host: Department of Psychology

- Middle school • Natural Science

Light and Color Illusion - What color do you see? Perception, Ecological Action & Learning Lab

Outdoors, Patio

Come stop by and see how the world looks completely different to people in different situations. Michael McBeath's research focuses on computational modeling of perception-action in dynamic, natural environments. Specialty areas spanning sports, robotics, music, navigation and multisensory object perception. The most widely known work is on navigational strategies used by baseball players, animals and robots.

Host: Department of Psychology

- Middle school • Natural Science

Facial Expressions of Emotion

Outdoors, Patio

How good are you at "reading" other people's nonverbal cues of emotion? The Shiota lab in the Department of Psychology studies how we express our emotions through the face and body, and how we respond to other's expressions - both consciously and unconsciously! Come check out our games and activities, including an opportunity to participate in a quick research study (5 minutes) on the spot.

Host: Department of Psychology

- High school & up • Natural Science

Would You Lend a Hand? The Human Generosity Project

Outdoors, Patio

If somebody was in need, would you lend a hand? What if they were a good friend? A stranger? A family member? In The Human Generosity Project, we investigate the interrelationship between biological and cultural influences on human generosity using psychology experiments, fieldwork and computer models. We are trying to understand whether humans are generous by nature and whether there is a survival advantage to helping those in need. Come to our booth and test your survival skills, try out your ability to find cheaters and explore the complexities of lending a hand!

Host: Department of Psychology

- Middle school • Natural Science

Brain Investigation Station – What's Inside Your Head?

Outdoors, Patio

Have you ever wondered what brains are made of and can do? At the Brain Investigation Station, learn about the parts of the brain and how they work through fun, hands-on activities. Come see and touch a real brain or build a neuron from scratch. You will find answers to questions you never knew you had!

Host: Department of Psychology

- Middle school • Natural Science

The Psych Zone

First & Second Floors

Come get psyched! Enter a world of different psychological activities that promise to be exciting and educational. Experience how psychology connects with different aspects of life that you may have never realized!

Host: Department of Psychology

- Middle school • Natural Science

Child Study Lab

First Floor, Room 121

Drop in to see what ASU's Psychology Child Study Lab includes, from pretend play to open-ended creative and sensory experiences (painting, sand and water play, modeling clay, collage activities, etc.), construction activities with blocks and manipulative toys, mathematics and language games, gardening, cooking and science activities.

Host: Department of Psychology

- Elementary school & under • Natural Science

Psychology North (PSYN)

Launch Air Compressor Rockets

Outdoors, Room 103

Join students from Sun Devil Rocketry (Daedalus Astronautics) in celebrating STEM education by building and launching your own rocket. Ask about our propulsion research, see some of the largest amateur rockets ASU has launched to date and learn about the exciting field of rocketry!

Host: Sun Devil Rocketry (Daedalus Astronautics)

- Elementary school & under • Engineering

Ross-Blakley Hall (RBHL)

Giant Crossword and Word Search Puzzles

First Floor, Lobby

Interactive word games for all ages designed by Regents' Professor and Arizona Poet Laureate Alberto Ríos. Prizes for correct answers!

Host: Department of English

- Middle school • Humanities

Making the Star Wars Universe

First Floor, Room 101

ASU experts in film, television and literature share their perspective on the secret of Star Wars' success. Mix and mingle with your favorite Jedis, hear the backstory of those vintage Star Wars toys and action figures, learn about the female heroes of Star Wars, enjoy themed face-painting and get your own balloon creature made by a Star Wars cosplayer. (Face-paint and balloons from 1:30-3:30 only).

Host: Department of English

- Middle school • Humanities

Zone D

Ross-Blakley Hall (Continued)

Hogwarts Sorting Hat & Spell Casting
1-3 p.m.
First Floor, Room 117

Welcome to Hogwarts! Inspired by the Harry Potter books, young visiting wizards get sorted into a "house" and receive a corresponding wand; use the wand to magically correct misspelled words! Teeny tiny wizards can just enjoy learning silly spells. Beware: Dementors may show up! Facilitated by professors Jim Blasingame and Peter Goggin and English Education students.

Host: Department of English

- Elementary school & under • Humanities

Hogwarts Wand-Making & Platform Photos
3:30-6 p.m.
First Floor, Room 117

Members of Dumbledore's Amy at ASU, a Harry Potter-themed student club, coach wannabe-wizards on the art of wand-making (supplies provided). Take a selfie at Platform 9 ¾ in London's King's Cross Station!

Host: Department of English

- Middle school • Humanities

Writing Takes Place: Your Life in Haiku
First Floor, Room 119

Write your autobiography in Haiku, a short Japanese verse form. Take your finished poem with you! Coached by teachers in ASU Writing Programs (who are expert syllable-counters).

Host: Department of English

- Middle school • Humanities

Rebuilding Puerto Rico
First Floor, Room 171

What happens to a modern city when a hurricane plows through it - and how can we rebuild justly and sustainably? Come learn from the Rebuilding Puerto Rico Humanities Lab what the challenges are to rebuilding and participate in an activity where YOU make the tough choices about rebuilding and see what outcomes they lead to.

Host: Humanities Lab

- High school & up • Humanities

Swords Instead of Quips in YA Fantasy
1-3 p.m.
First Floor, Room 196

Join New York Times bestselling author Melissa Marr as she teaches how to integrate combat sequences into story. Using primarily Historical European martial arts (longsword and single-handed messer), but touching on kali sticks and improvised weaponry, Marr will discuss and demonstrate fighting as a realistic outgrowth of character, world and setting. Marr will cover integrating action into story naturally and touch on tricks to stretch out the action in text without relying on historical inaccuracies, gross misuse of weapons or action clichés like villain monologues.

Host: Department of English

- Middle school • Humanities

Dining@Open Door

Coor Hall (COOR)

Maui Wowi Hawaiian Coffee & Smoothies
1–6 p.m.

Fresh Hawaiian smoothies, gourmet Hawaiian coffees and cocoas.

Old Main (MAIN)

Kona Ice
1–6 p.m.

Need a moment of pure bliss? Let our sweet tunes sweep you away to an island in the middle of the ocean. And while you're there, kick up your feet and enjoy a nice cup of our premium shaved ice.

Palm Walk & Tyler Mall

Pura Vida Grinds
1–6 p.m.

Costa Rican coffee cart. Premium espresso drinks, hot or cold. Infused teas, lemonades, sodas and Costa Rican inspired chocolates and snacks.

Memorial Union (MU)

Einstein Brothers Bagels
8 a.m.– 2 p.m.
First Floor

Starbucks @ Memorial Union
8 a.m.–9 p.m.
First Floor

Qdoba Mexican Grill
10 a.m.–9 p.m.
First Floor, Food Court

Pei Wei
11 a.m.–4 p.m.
First Floor, Food Court

Chick–fil–A
10 a.m.–8 p.m.
First Floor, Food Court

P.O.D. Market
10 a.m.–10 p.m.
First Floor, West Side of Building

Subway
10 a.m.–4 p.m.
Lower Level

Burger King
10 a.m.–7 p.m.
Lower Level

Bateman Physical Science Building F Wing (PSF)

The Crepe Club
1–6 p.m.
Outside Courtyard

Crepes on Campus specializes in quick and delicious, French inspired, sweet and savory crepes.

Noble Science Library (NOBLE)

Starbucks @ Noble Library
1–6 p.m.
Lobby

Biodesign Institute B (BDB)

Charlie's Cafe
10 a.m.–8 p.m.
Lobby

Stop by for a drink or a snack! We offer hot and cold sandwiches, pastries and coffee.

Downtown Tempe

To look for other local dining options, go to www.downtowntempe.com/explore/dining

Family Movie Night on the field at SUN DEVIL STADIUM!

Bring a blanket, sit on the grass and enjoy a movie under the stars!

Saturday, February 23 at 6:30 p.m. | Free Admission

Blankets and seat cushions are allowed and encouraged. Chairs, strollers and items that could damage the field are prohibited.
We will have stroller corals at the entry for storage during the film. Concessions will be open. No outside food allowed.

asu365communityunion.com

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365 Community Union