SCITECH festival

FEBRUARY - MARCH





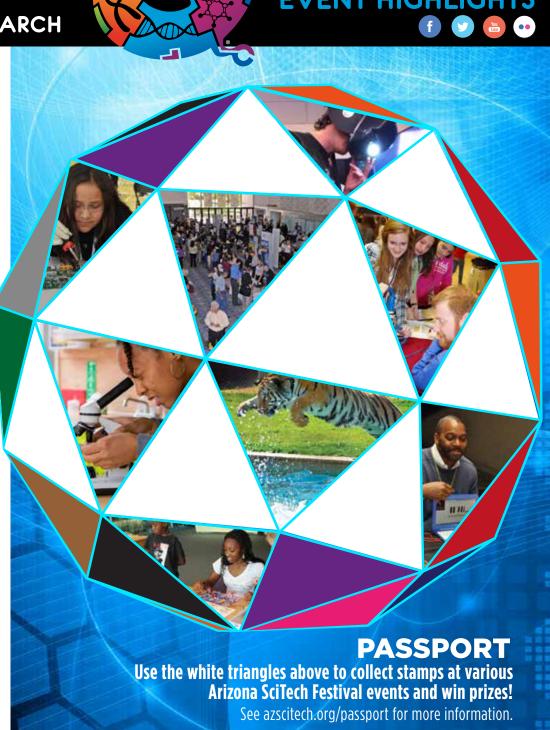
The Arizona SciTech Festival is Arizona's BIGGEST celebration of STEAM (Science, Technology, Engineering, Arts and Math) held annually in February and March. Over 800 organizations have partnered to showcase the science all around us with over 1,000 events statewide! Join us on an exciting adventure to explore the science and technology occurring through arts, education. engineering and innovation - all in your own backyard.

3 WAYS TO FIND YOUR EVENT

BROWSE THROUGH THE HIGHLIGHTS LISTED IN THIS PROGRAM BOOKLET

DOWNLOAD THE FULL TABLE OF EVENTS FOUND AT AZSCITECH.ORG/ 2017TABLE

SEARCH THE LATEST EVENTS ONLINE AT AZSCITECH.ORG/EVENTS





SAT 1/28

10:00AM - 2:00PM

El Mirage Public Safety Day Gateway Park 10100 N El Mirage Rd, El Mirage

Featuring displays and exhibitions from the El Mirage Police and Fire Departments

EVENT HIGHLIGHTS:

Pre-Festival - February 12

Connect2STEM University of Arizona College of

Medicine – Phoenix Campus 550 E Van Buren St, Phoenix

UA in partnership with Cox Communications presents a family friendly event which celebrates Science, Technology, Engineering, Math and Medicine.

FRI 2/3

4:00PM - 9:00PM

ASU Night of the Open Door @ Downtown **Phoenix** 411 N Central Ave, Phoenix

See opendoor.asu.edu for 300+ activities

FRI 2/3 - SUN 2/5

FR 5-10PM, SA 10AM-10PM. SU 12-5PM

Glendale Science of Chocolate Historic Downtown Glendale

Glendale Ave & 55th - 59th Ave, Glendale

SAT 2/4

10:00AM - 2:00PM

Family SciFest Children's Museum Tucson 200 S 6th Ave, Tucson

Families explore hands-on demonstrations with aerospace sciences, astronomy, biology, engineering, physics and more!

10:30AM - 3:00PM

Tale of Two Cities Parade and Festival **Estrella Mountain Community College** 3000 N Dysart Rd, Avondale

10:00AM - 4:00PM

Motoring Thru Time and Heritage Festival **Heritage Square & Science Park** 113 N 6th St, Phoenix

8:00AM - 3:00PM

Buckeye Air Fair Buckeye Municipal Airport 3000 S Palo Verde Rd. Buckeve

WED 2/8

8:30AM - 12:00PM

20th Annual Key to **Employment for the 21st Century Symposium UA Student Union Ballroom** 1303 E University Blvd. Tucson Pima County HS Students learn about high

SAT 2/11

1:00PM - 3:30PM

I Love Science Day! Arizona Museum of Natural History 53 N Macdonald, Mesa - \$

tech industries and career paths.

4:00PM - 9:00PM

ASU Night of the Open Door @ West 4701 W Thunderbird Rd, Glendale

See opendoor.asu.edu for 300+ activities

See azscitech.org for a full list of events

A SPECIAL THANKS

to our Official Arizona SciTech Festival Hubs helping to represent the Festival to their local communities!

MARICOPA COUNTY LIBRARIES

Arcadia Library Avondale Civic Center Library Basha Library

Burton Barr Library Cesar Chavez Library

Chandler Downtown Library

Cholla Library

Desert Foothills Library Fountain Hills Library

Goodyear Library

Hamilton Library

Ironwood Library Juniper Library

Mesquite Library Saguaro Library

Sam Garcia Library

Southeast Regional Library

Sunset Library White Tank Mountain Library Yucca Library

PIMA COUNTY LIBRARIES

Joel D Valdez Library Valencia Library Wheeler Taft Abbett Sr Library **Woods Memorial Library**

COMMUNITY LOCATIONS

Arizona Science Center Gilbert Riparian Observatory HeatSync Labs Nina Mason Pulliam Rio Salado **Audubon Center Pueblo Grande Museum**

Aerospace & stronomy

Arizona is a hot bed for aerospace & astronomy with dozens of star parties, workshops, exhibits, lectures, and stargazing events occurring all over the state. Find your event at azscitech.org.

ASTRONOMY STARGAZING

East Valley Astronomy Club Public Star Party at Gilbert Riparian Preserve

Look-UP! Stargazing at Foothills Library (Yuma)

Public Star Observing with the Coconino Astronomical Society (Williams and Flagstaff)

Public Star Party at Gilbert Riparian Preserve Star Party at PVCC at Black Mountain

(Scottsdale)

Stargazing for Everyone at Lake Pleasant D.O.C., McDowell Mountain Park, San Tan Mountain Park, Spur Cross Conservation Area, Challenger Space Center, & City of Buckeve Skyline Park

Stargazing at Spur Cross Ranch Conservation Area (Cave Creek)

Star Party at West Valley Astronomy Club Dark Sky Site (Morristown)

WORKSHOPS

Astronomy for Everyone at Saguaro, Harmon, South Mountain Community, & Agave Library **Astronomy Nights** at Mesa Community College Earth & Space Open House at ASU Tempe Campus **Explore the Night Sky** at South Mountain

Environmental Education Center (Phoenix)

Free Telescope Workshop at Bookmans Phoenix and PVCC Main Campus

Lunar & Planetary Laboratory Colloquia at University of Arizona (Tucson)

Marston Exploration Theater 3-D Astronomy **Shows** at ASU Tempe Campus

Third Thursday Star Talks at Prescott Public Library

School of Earth and Space Exploration **Lecture Series** at ASU Tempe Campus

Smithsonian Lecture Series on Astronomy at **Green Valley Recreation Center**

Soarin' Saturdays at Pima Air & Space Museum (Tucson)

"Stars on Mars Hill" Public Lecture Series at Lowell Observatory (Flagstaff)

Public Evening Lecture Series at Steward Observatory (Tucson)





NIGHT OF THE OPEN DOOR



Join us for a behind the scenes look at the most innovative university in the nation!

ASU Night of the Open Door is an opportunity for visitors of all ages to explore laboratories, living collections, museums and classrooms and participate in hands-on activities.

Each of ASU's campuses have a unique identity and we invite you to visit all of our campus locations throughout the month of February.



West: Saturday, Feb. 11, 4-9 p.m. Polytechnic: Friday, Feb. 17, 4-9 p.m. Thunderbird: Saturday, Feb. 18, 4-8 p.m.

Tempe: Saturday, Feb. 25, 3-9 p.m.

@asuopendoor

Get your free tickets now!

opendoor.asu.edu











ASU Night of the Open Door is a Signature Event and ASU is a Foundational Partner of the Arizona SciTech Festival.

EVENT HIGHLIGHTS:

February 13 - 19

THU 2/16

8:00AM - 3:00PM

Sahuarita SCITECH STEMtacular Passport Experience

Sahuarita Middle School 350 W Sahuarita Rd, Sahuarita

30+ regional organizations partner with the Town of Sahuarita to provide a STEM learning experience for 1,200+ Sahuarita Middle School students.

4:00PM - 8:30PM

Bear Essential's Young Reporter Cookout

Saguaro National Park West 2700 N Kinney Rd. Tucson

Young Reporters learn about desert ecology and ecosystems.

FRI 2/17

4:00PM - 9:00PM

ASU Night of the Open Door @ Polytechnic 7001 E Williams Field Rd, Mesa

See opendoor.asu.edu for 300+ activities

6:00PM - 8:00PM

Conservation Science Night at the Phoenix Zoo

455 N Galvin Pkwy, Phoenix

Engage with hands-on activities, meet conservation scientists and learn about the work they do with Phoenix Zoo.

6:00PM - 9:30PM

Night of Art and Science in Downtown Chandler AJ Chandler Park. West

3 S Arizona Ave, Chandler

Experience the science behind the art with demonstrations from local artists and guests.

FRI 2/17 - SUN 2/19

FR 3:15-8:30PM, SA 9AM-5PM, SU 1-5:30PM

Turn Up for STEAM 2017 Phoenix College

1202 W Thomas Rd, Phoenix

This 3-day program will use STEAM (Hip-Hop, arts performance, & digital design) to teach students about computer science, college resources, and STEM leadership empowerment.

SAT 2/18

8:30AM - 4:30PM

Vail Pride Day Pima County Fairgrounds 11300 S Houghton Rd, Tucson

10:00AM - 2:00PM

Farm Science Day USDA-ARS, Arid-Land Agricultural Research Center 21881 N Cardon Ln, Maricopa

Farm Science Day is a Free, interactive, family-friendly event focused on learning about the science behind agriculture in Arizona.

10:00AM - 3:00PM

Chandler's Science Spectacular: Science Saturday

Downtown Chandler

Arizona Ave. S. of Chandler Blvd, Chandler Experience the science behind the art with demonstrations from local artists and guests.

4:00PM - 8:00PM

ASU Night of the Open Door @ Thunderbird School of Global Management ASII Thunderbird School of

Chandler's Science Spectacular:

Science Saturday

ASU Thunderbird School of

Global Managment 1 Global Place, Glendale

See opendoor.asu.edu for 300+ activities



State Farm® is honored to help Arizona Technology Council provide STEAM programs for all Arizona students!

Shout out to State Farm's System STEM mentors!

State Farm

See azscitech.org for a full list of events

Art and STEM Fusions (STEAM)

Explore the intersections of Science, Technology, Engineering, Art and Math with STEAM! Find your STEAM event online at azscitech.org.

Brainstorming @ the Library! STEAM Kits at Cottonwood Library

Connecting Kids and Careers Through STEAM! at Mingus Union High School (Cottonwood)

Full S-T-E-A-M Ahead – The Sky is Not the Limit at Camp Verde Community Library

STEAM and Robotics at Kiwanis Recreation Center (Tempe)

Saturday STEAMtime at Ocotillo Library (Phoenix) **STEAM Club** at Chandler Libraries

STEAM Room at Sedona Public Library

STEAM Saturdays at Goodyear Library

STEAM Storytime at White Tank Library (Waddell)

STEAM Time at Camp Verde Community Library

Wizards of STEAM at Agave Library (Glendale)



EVENT HIGHLIGHTS: February 20-26

SAT 2/25

7:00AM - 8:00PM

Gila Valley Health & Science Festival

Eastern Arizona College North Campus & Discovery Park Campus 615 N Stadium Ave, Thatcher

1651 Discovery Park Blvd, Safford 40+ hands-on activities with make-and-takes, a magic show, high-tech machinery and

10:00AM - 12:00PM

discussions with STEM professionals.

START the Spark West-MEC Aviation Facility 5405 N 99th Ave, Glendale

Coding, green screen technology, catapults, mindstorms, laser engravers and more.

10:00AM - 4:00PM

Prescott Regional SciTechFest Prescott Gateway Mall 3250 Gateway Blvd. Prescott

Celebrate education, research, collaboration, innovation and economic growth with STEM+A activities.

11:00AM - 3:00PM

Engineering Day Arizona Science Center 600 E Washington St, Phoenix - \$

11:00AM - 3:00PM

Fountain Hills SciTech Festival

Fountain Hills Great Fair

Ave. of the Fountains & Saguaro

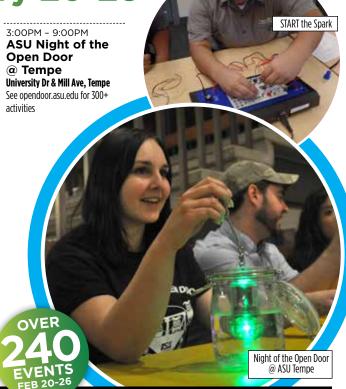
Fountain Hills Unified School District will present interactive STEAM demonstrations as part of the Fountain Hills Great Fair.

3:00PM - 9:00PM

Emerge: Frankenstein ASU Tempe Campus (University Club and Piper Lawn)

425 E University Dr, Tempe

Devoted to creative imagination of the future, this engaging STEM Festival will focus on the risks & responsibilities of modern-day innovation.



See azscitech.org for a full list of events





A Night of Art & Science 6 P.M. FRIDAY, FEB. 17, 2017

Technology meets the arts as Downtown Chandler transforms its monthly Third Friday Art Walk into a creative look at the science behind the food and drink, beauty, art and invention around us.

Chandler's Science Saturday 10 A.M. TO 3 P.M. SATURDAY, FEB. 18, 2017

Chandler uses 'sneaky science' by entertaining the whole family while explaining how science is important to daily life. Check out interactive demonstrations and by Chandler's technology companies along with the next generation of science.

DOWNTOWN CHANDLER | SPONSORED BY:



For more information, visit chandleraz.gov/science

Farm Science Day

Saturday, February 18, 2017 10:00 a.m. to 2:00 p.m.

Arid-Land Agricultural Research Center & U of A Maricopa Agricultural Center 37860 W Smith Enke Rd Maricopa, Arizona

Interactive Insect Zoo Cricket-Spitting Contest! Robot Tractor – Ride Along Plant Your own Cotton Hayrides to UA Farm Village Face Painting & Kid's Crafts Antique Tractors Master Gardeners Biotechnology
Natural Rubber Production
Measuring Photosynthesis
Irrigation Technology
Reclaimed Water Use
Remote Sensing
Heat Imaging in Plants
And Much, Much More!

FREE – Fun Farm and Science activities for the whole family





EXPLORE THE SCIENCE BEHIND ARIZONA'S TOP ATTRACTIONS



Arizona is full of engineering marvels, scientific innovations, natural wonders and cultural creations. Follow the SciTech gecko and check out all of the interesting ancient and modern Science and Technology throughout Arizona. Get a complete list of SciTech events at **Azscitech.org/events**.



AS GOVERNOR OF ARIZONA,

I'm proud to introduce the program for the 2017 Arizona SciTech Festival, a statewide celebration that is the third-largest science and technology festival in the nation!

Arizona is a national leader in empowering students to become ambassadors for Science, Technology, Engineering and Math (STEM) education. In today's knowledge-based economy, encouraging Arizona's youth to become the next generation of science and technology leaders is critical to meeting the needs of modern employers and ensuring Arizona remains competitive in today's world.

In addition to inspiring thousands of Arizona youth to pursue education and careers in STEM, the Arizona SciTech Festival brings together communities from around the state and helps create hundreds of partnerships in the name of science, technology and innovation. Throughout February and March, you will find thousands of events, workshops, exhibitions and tours held in diverse locations around our great state. From engineering marvels to natural wonders to scientific innovations, Arizona offers endless opportunities for discovery.

I encourage you to take advantage of the opportunities these events provide to visit places around Arizona, learn, and discover all this state has to offer. Each year, the Arizona SciTech Festival continues to grow and thrive – I hope you will join us and help make 2017 the largest celebration to date.

Governor Doug Ducey





PRFS(OT

Established as the original capital of Arizona, Prescott has more than 700 homes and businesses listed on the National Register of Historic Places. Tour the Victorian treasures and experience the "living history" at the Sharlot Hall Museum. Explore the shops and restaurants surrounding the spiritual and physical centerpiece of "Everybody's Hometown," the Yavapai County Courthouse Plaza—considered both a great urban space and community gathering spot. Prescott is also home to the world-renowned Embry Riddle Aeronautical University, where many of the nation's top aeronautical scientists and engineers are trained.

SciTech event

Prescott Regional SciTechFest (February 25)





Gila River Rafting

SAFFORD

Located along the south bank of the Gila River, Safford is brimming with natural encounters. Grab a kayak or canoe and splash into the head waters of the Gila River where you can put your skills to the test, or climb the peaks of Mount Graham International Observatory at 7,000 feet. If you're looking for a more relaxed atmosphere, then grab binoculars and discover the birds and wildlife of the Gila Box Riparian National Conservation Area.

SciTech event

Gila Valley Health and Science Festival (February 25)





VERDE VALLEY

The Verde Valley is a wonderland encompassed by both natural and cultural creations. Take a safari ride through the savannah of Out of Africa Wildlife Park and soar through the park on the Zippin' Safari zipline. Kayak, hike and bird watch through the Verde River Greenway— one of Arizona's last free-flowing rivers. Step back into the past, and take a ride on the Verde Canyon Railroad, where you can follow the Verde River and enjoy the red rocks of the valley.



(February 23-March 3) Verde Valley Archaeology Fair (March 18-19)



Out of Africa

Wildlife Park

Verde Valley SciTech Festival





Tempe Town Lake

Tempe, home of Arizona State University, not only attracts college students but entrepreneurs, athletes and art lovers. Tempe Town Lake brings together the Greater Tempe area for music, art, culture and athletic events for the entire community to enjoy. Take a walk down Mill Avenue to experience the local tastes of the diverse restaurants. cafés, and taverns. Also take advantage of more than 13 miles of hiking trails at Papago Park where you can hike or bike.

SciTech events

TEMPE

- ASU Night of the Open Door (February 25)
- Geeks Night Out: Discover the Science (March 2)
- PADT SciTech Festival Open House (March 2)

TUCSON

When the sun goes down, the stars come out in Tucson, and the perfect place to view them is at Kitt Peak National Observatory. Located in the Quinlan Mountains of the Sonoran Desert, this observatory is the center for ground-based nighttime astronomy in the United States. Take advantage of Tucson's "dark skies" and observe the stars and Milky Way with a professional astronomer during the Nightly Observing Program a popular program for all ages.

SciTech events

Family SciFest (February 4) Vail Pride Day (February 18) Tucson Festival of Books - Science City (March 11 & 12)



Kitt Peak National Observatory



Lowell Observatory

Whether you're fascinated with space or just like to stare up at the stars. Flagstaff has an unparalleled view of the night sky. Named the world's first International Dark-Sky City, you can take advantage of unfettered stargazing at Lowell Observatory on Mars Hill. While there, visit the telescope that was used to discover Pluto in 1930.

Flagstaff Community STEM Celebration (March 6) Add Flagstaff Festival of Science (late September)



GLOBE / MIAMI

Besh-ba-Gowah

Known for its historic past, the Globe-Miami area is filled with interesting places to see and explore. Nestled in the Pinal Mountains lies the Old Dominion Historic Mine Park where your imagination can be transported back to the mine's boom-days. Beyond the mines, examine the restored 700-year-old Salado Pueblo at the Besh-ba-Gowah Archeological Park where you can view what life was like in pre-Columbian times.

SciTech event

2017 Gila County STEMFest (April 22)



Student Days at the Arizona

Renaissance Festival

EVENT HIGHLIGHTS:

February 27-March 5

TUE 2/28 & THU 3/2

9:00AM - 2:30PM

Student Days at the Arizona Renaissance Festival

12601 E US Highway 60, Gold Canyon - \$

Talk to Galileo about astronomy, & observe in awe as artisans craft their wares using scientific techniques with blacksmithing, glassblowing, shoemaking and weaving.

THU 3/2

4:00PM - 8:00PM

Geeks Night Out:
Discover the Science
Tempe Library Museum Complex
SW Corner of Southern & Rural

5:00PM - 8:00PM

PADT SciTech Festival Open House

Phoenix Analysis & Design Technologies 7755 S Research Dr., Suite 110, Tempe

See what engineers really do all day. Tour our 3D printing lab and check out how "We Make Innovation Work".

FRI 3/3

5:00PM - 8:00PM

Verde Valley SciTech Expo Yavapai College – Verde Valley Campus 601 Black Hills Dr, Clarkdale 5:30PM - 8:00PM

CREATE Open Studio: Upcycle That!

CREATE at the Arizona Science Center 600 E Washington St, Phoenix

7:30PM - 9:30PM

GCC SciTech Festival Glendale Community College North Campus, D-Rida

5727 W Happy Valley Rd, Glendale

Experience stargazing, build a comet, make lightning and a straw rocket, fire, explosions, glow-in-the-dark "Chemical Madness" show!

SAT 3/4

9:00AM - 2:00PM

GCU STEMFest Grand Canyon University 3300 W Camelback Rd, Phoenix

All participants invited to 2pm GCU Woman's Basketball Game afterward for free.

10:00AM - 3:30PM

Innovation Nation STEM Festival

Northland Pioneer College – Performing Arts Center 1611 S Main St, Snowflake

White Mountain communities learn about STEM careers through robotics demos, hands-on activities, student booths, and more!

10:00AM - 4:00PM

2017 Arizona Archaeology Expo Himdag Ki Museum Federal Route 19 (Milepost 17.5).

11:00AM - 5:00PM

Topowa

Scottsdale Spring Training Festival Scottsdale Civic Center Mall

3939 N Drinkwater Blvd, Scottsdale

Baseball fans of all ages can learn the science of baseball and meet MLB Hall-of-Famers.

SAT 3/4 - SUN 3/5

10:00AM - 4:00PM

Tres Rios Nature Festival Base and Meridian Wildlife Recreation Area 7602 S Avondale Blvd, Avondale

10:00AM - 5:00PM

APS Solar Weekend Arizona Science Center 600 E Washington St, Phoenix - \$ OVER
210
EVENTS
FEB 27-MAR 5

SUN 3/5

9:00AM - 2:00PM

2017 Spur Cross Archaeology Expo Spur Cross Ranch Conservation Area 44000 N Spur Cross Rd, Cave Creek - \$

3:30PM - 5:30PM

STEAM Fest Family Event Avondale Civic Center Library

11350 W Civic Center Dr, Avondale

See azscitech.org for a full list of events

Competitions

6th Annual Great Paper Airplane Fly-Off at Pima Air & Space Museum (Tucson)

Arizona FIRST LEGO League Tournament at ASU Tempe Campus

Arizona FIRST Robotics Competitions (various)

Arizona FIRST Tech Challenge
Championship Tournament at Northern
Arizona University (Flagstaff)

Arizona Geography Bee at ASU Tempe Campus

Arizona Junior Science and Humanities Symposium at Four Points by Sheraton (Mesa)

Arizona Middle and High School Science Bowls at ASU West Campus (Glendale)

Arizona Regional Brain Bee at Midwestern University (Glendale)

Arizona Rubik's Cube Competition at ASU West Campus (Glendale)

Arizona Science Olympiad Tournaments (various)

Computer Challenge at Cochise College (Douglas)

Great Paper Airplane Fly-Off at Pima Air & Space Museum (Tucson)

Honeywell Fiesta Bowl Aerospace Challenge in Phoenix

Odyssey of the Mind Tournaments (various)

Rube Goldberg Machine Contest in Mesa

Southern Arizona Regional Science and

Engineering Fair at the Tucson Convention Center

Southwest VEX U Tournament at Embry-Riddle Aeronautical University (Prescott)

SPARK Game Jam at ASU Polytechnic (Mesa)

VEX IQ Challenges (various)
VEX Robotics Challenges (various)

PUBLIC LIBRARY



THU 3/9

4.00PM - 10.00PM (STAR PARTY 7-10PM)

STEAMtastic & Star Party Extravaganza **Paradise Valley Community College at Black** Mountain

34250 N 60th St., Scottsdale

Molecular gastronomy, subzero science, potato launching, science of brewing, glow in the dark experiments, an evening star party and more.

FRI 3/10

1:00PM - 3:00PM

Girls Have IT Day Conference!

Xavier College Preparatory 4710 N 5th St. Phoenix

700 middle school girls are mentored by 300+ high school girls with interactive STEAM activities

EVENT HIGHLIGHTS: March 6-12

FRI 3/10 - SUN 3/12

FR 2PM-MIDNIGHT, SA 10AM-MIDNIGHT, SU 10AM-3PM

29th Annual Chandler Chamber Ostrich Festival-\$ **Tumbleweed Park**

745 E Germann Rd. Chandler

Experience an interactive STEM exhibit at the annual Festival.

SAT 3/11

9:00AM - 3:00PM

17th Annual Ancient Technology Day: **Prehistoric & Historic Pueblo Grande Museum**

4619 E Washington St, Phoenix - \$

Try your hand at tossing an atlatl (spear), watch artists as they demonstrate pottery making, basket weaving, loom spinning, rock art, flint knapping and more!

12:00PM - 7:00PM

Southwest Maker Fest Downtown Mesa

Main St. & Center to Macdonald, Mesa

From art forms, new technology and techniques to extraordinary inventions, doit-yourself opportunities and food, SWMF will inspire the maker inside you!

SEE WWW.VALLEYYMCA.ORG FOR TIMES & LOCATIONS

Y-Science! A Family STEM Event

Multiple Valley YMCAs

Join YMCAs around the valley for a variety of STEM activities geared to the whole family. Participants are welcome to stay and enjoy the YMCA for FREE that day.

SAT 3/11 - SUN 3/12

9:30AM - 5:30PM

Tucson Festival of Books - Science City University of Arizona Main Campus 1401 E University Blvd, Tucson

Explore five diverse science neighborhoods. Immerse yourself in engaging hands-on activities and demonstrations. Experience UA laboratory tours and meet renowned science authors and researchers.

WED 3/8 - FRI 3/10

WE 5:30PM - FR 4:00PM

Venture Madness Conference - \$

Hotel Valley Ho

6850 E Main St, Scottsdale Watch as 16 entrepreneurial finalist live-pitch their way to win the grand prize and be crowned the 2017 Venture Madness Champion!



Calling all educators, parents and future engineers!

Do you like to build, create, solve problems and learn about science, technology, engineering and math? The Ira A. Fulton Schools of Engineering offer fun and engaging hands-on STEM experiences and summer camps for K-12 students at ASU's Tempe and Polytechnic campuses:

FIRST LEGO League

Fun with Physics

The Art of Invention

National Summer Transportation Institute

Camp Solaris Prime

7Up and 9Up Robotics Camp **High School App Camp**

Ultimate Technology Boot Camp

App Camp for Girls

Get with the Program: Coding Camp Game Camp

To the Moon, Mars and BEYOND!

Find more information or subscribe to our newsletter:



outreach.engineering.asu.edu

Ira A. Fulton Schools of Engineering **Arizona State University**

Bioscience Events

Bioscience has become a major industry in Arizona. Check out events around the state to explore this industry in your backyard.

12th Annual Building Healthy Lifestyles Conference at ASU Tempe Campus

2017 MedTech Conference at Speer Education (Scottsdale)

21st Annual Children's Neuroscience Symposium at the Scottsdale Plaza Resort

Anniversary Celebration for the UA Health Sciences! at the UA College of Medicine Phoenix Campus

BioHack Night at HeatSync Labs (Mesa)

Brain Candy Live with Adam Savage and Michael Stevens at the Mesa Arts Center

The Civil War Roundtable - Medicine in the American Civil War at the Civic Center Library (Scottsdale)

Digital Learning Day Arizona (Online)

Discover the Power Within - Biomechanics & Levers at ATA Martial Arts (Phoenix)

Fantastic Voyage at Verde Valley Medical Center (Cottonwood)

Gotta Have Heart! at Scottsdale Public Libraries

Health Sciences Career Day at Midwestern University (Glendale)

Heart Healthy at the Arizona Science Center (Phoenix)

Mark McKenna Healthcare Management Lecture with Special Guest Eric Topol at Marston Exploration Theater (Tempe)

Microorganisms: The Invisible World at Tumbleweed Ranch (Chandler)

The Practice of Advanced Critical Care- A Multispecialty Simulation-Based Conference at the UA College of Medicine Phoenix Campus

What is a Carbohydrate? at Honor Health Deer Valley Medical Center Campus (Phoenix) What You Put on Your Skin Goes In- What's Going In? at Tucson Medical Center



Making

From 3D printers and LEGO bricks to Hacknights and coding, "making" has become part of Arizona's STEM culture! Find your maker event at azscitech.org!

VALLEYWIDE

Apache Junction Public Library **(LEGO Night)** Buckeye Public Library **(Code Club)**

Chandler Public Libraries (Build 'N Play, Girls Who Code, Teen Create-Space)

Clark Park Recreation Center in Tempe (Robotics Using LEGO NXT)

CREATE at Arizona Science Center in Phoenix (CREATEduino)
Desert Foothills Library in Cave Creek (Coding Club
for Youth, LEGO Club)

Fountain Hills Library (Minecraft & Makers, Soldered Robots, Dabble Day)

Gangplank in Avondale, Chandler, & Queen Creek (Hacknights)

Glendale Public Libraries (Code Club, K'nex Builders)
HeatSync Labs in Mesa (3D Printing Night, Coffee &
Code. Hacknights)

Horizon Community Center in Scottsdale (Mine-Craft-Build)
Maricopa County Library District (LEGO Club, Maker
Mondays)

Mesa Public Libraries (Code Clubs, LEGO Mindstorms)
Peoria Public Libraries (LEGO Club, Makerspace)
Phoenix Public Libraries (Brick Builders, Kids Code It!
Club, LEGO Labs)

Scottsdale Public Libraries (Code Club, LEGO Mindstorm, Senior Makers) Snidegar Recreation Center in Chandler

(LEGO Pre-Engineering)

Tempe Public Library (Code Club)
University of Advancing Technology (Codeday)
Westside Multigenerational Center in Tempe
(Jedi Engineering with LEGOs)

STATEWIDE

Casa Grande Public Libraries (Maker Monday)
Isabelle Hunt Memorial Library in Pine (LEGO Club)
Mohave County Library District (LEGO Day!)
Navajo County Libraries (Code Club)
Pima Air & Space Museum (LEGO Robotics Experience)
Pima County Public Libraries (Leapin' LEGOs)
Pinetop-Lakeside Library (LEGO Club)
Prescott Public Library (LEGO Expo)
Yuma County Library District (LEGO / Duplo Club)



Arizona libraries have become an excellent place to experience STEM. Below is a sampling of these opportunities. Search the full list online at azscitech.org.

Bugs & Bloom Pollination Science at Desert Foothills Library (Scottsdale)

Desert Animals: Predator vs Prey at Santa Rosa Library (Tucson) **Desert Wildlife With Wildman Phil** at Fountain Hills Library

Earthquake Science at Foothills Library (Yuma)

Family Science Night at Cesar Chavez Library (Phoenix)

Fun With Math and Science at Dobson Ranch Library (Mesa)

Liberty Wildlife Monthly Speaker Series at Southeast Regional Library (Gilbert)

Mad Science at Mesa Main Library

Rattlesnakes! at North Valley Regional Library (Anthem)

Reptile Adventures at Peoria Main Library

Science Saturday ~ Electrical Engineering at Wheeler Taft Abbett Sr Library (Tucson)

Science Sunday at Juniper Library (Phoenix)

Sci/Tech Family Fun at Sedona Public Library

> Self-Guided Science at Southeast Regional Library (Gilbert)

The World of Craft Chocolates at Civic Center Library (Scottsdale)



Science Conversations Do you love to interface with science professionals?

Do you love to interface with science professionals?
Consider attending a science conversation, from archaeology and gardening to technology, education and birds. There is something for everyone! Explore more online at azscitech.org.

STEM TALKS

A Boot in the Door: Pioneer Women Archaeologists of Arizona at Dorothy Powell Senior Adult Center (Casa Grande)

Asteroids, Ion Propulsion, and NASA's

Dawn Mission to Vesta and Ceres at

Burton Barr Central Library (Phoenix)

Birds n' Beer at Nina Mason Pulliam Rio Salado Audubon Center (Phoenix)

Dawn of the Dinosaurs: The Late Triassic in the American Southwest at Prescott Public Library

Flag Tech Talk at Bookmans Flagstaff

From Science to Author: Novel as "Second Act" at Burton Barr Library (Phoenix)

Green Building Lecture Series at Granite
Reef Senior Center (Scottsdale)

Inclusive Ideologies and Social Mechanisms at Macayo's Central (Phoenix) Materialit of a Vacuum at Tempe Center for the Arts

New Discoveries in Belize at Cliff Castle Casino Hotel (Camp Verde)

Plateau Extremophilia: Surviving Nature's Worst-Case Scenarios at the Museum of Northern Arizona (Flagstaff)

Second Saturday Speakers Series at Pima Air & Space Museum (Tucson)

School of Earth and Space Exploration
Lecture Series at ASU Tempe Campus

Science of Sound & Music Lecture Series at Pueblo Grande Museum (Phoenix) UA Science Cafés (various locations around

Wolves, Coyotes and Canids at Wheeler
Taft Abbett Sr Library (Tucson)

FEATURE PRESENTATIONS

2017 International Archaeology Film Festival at the Verde Valley Community Center

Archeology for Kids at Pueblo Grande
Museum (Phoenix)

Arizona Coyotes STEM of Hockey Day at Gila River Arena (Glendale)

Caped Crusaders and Everyday Heroes at the i.d.e.a. Museum (Mesa) Calculus: The Musical! At the University of

Arizona (Tucson)

DamNation at Harkins Valley Art Theater

(Tempe)

Digital Learning Day Arizona (Online)

Digital Learning Day Arizona (Online)
Engineering Day at Eastern Arizona College
(Thatcher)

Flagstaff Community STEM Celebration at NAU Skydome (Flagstaff)

Glendale Water Conservation Green Living
Series (Glendale)

GreenBiz 17 at JW Marriott Desert Ridge Resort (Phoenix)

Junior Citizen Science Festival at McDowell Sonoran Preserve (Scottsdale)

Locomotive Saturdays at Historic Train Depot (Tucson)

Nat Geo Live: The Mystery of Our Human Story at the Mesa Arts Center

Photograph 51 Performed by SW
Shakespeare Company at the Mesa Arts
Center

President's Day: Candy Chemistry at the Arizona Science Center (Phoenix)

Professional Program In Small Unmanned Aircraft Systems (sUAS): sUAS Design And Configuration at Embry-Riddle Aeronautical University Online

Science of Sound & Music Lecture Series at the Pueblo Grande Museum (Phoenix)

Science of the Lightsaber at ATA Martial Arts (various locations)

Spare Parts – Free Movie Screenings at Yavapai College Verde Valley Campus (Clarkdale)

Sustainability Lecture Series at ASU Tempe Virtual Reality Experiences at Apache Junction Public Library

What's Going On Here, Beakman? at the Great Arizona Puppet Theater (Phoenix)



EVENT HIGHLIGHTS: March 13 - 31

FRI 3/17 - SAT 3/18

12:00PM - 10:00PM

spark! Mesa's Festival of Creativity

Mesa Arts Center 1 E Main St. Mesa

Join this immersive environment with musical performances, food, fun and creative activities for the whole family!

SAT 3/18 - SUN 3/19

10:00AM - 4:00PM

Verde Valley Archaeology Fair Camp Verde Community Center 395 S Main St, Camp Verde

Learn about archaeology methods, stone tools, excavation tools, prehistoric astronomy techniques, rock art methods and more.

SAT 3/25

10:00AM - 3:00PM

Arizona Parenting Magazine's Camp & Summer Expo Desert Ridge Marketplace (behind AMC

Desert Ridge Marketplace (behind AMC Theatres)

21001 N Tatum Blvd, Phoenix

Learn about STEM camps and engage in experiences such as archery, zip lining, rock climbing, euro bungee, tie dye t-shirts and more!

9:00AM - 8:00PM

Maricopa Science City Maricopa Copper Sky Regional Park 44345 W Martin Luther King Jr Blvd, Maricopa

In conjunction with the Salsa Festival, Maricopa Science City will entertain and inspire youth with hands-on, interactive, and fun STEAM booths and activities for the whole family to enjoy!

WED 3/29

10:00AM - 2:00PM

Spring Homeschool Day

Challenger Space Center 21170 N 83rd Ave, Peoria - \$

Homeschool students 5th grade and above can join a simulated "Voyage to Mars" mission, Science of Baseball demonstration, Game Truck, Lego workshops and more.

FRI 3/31

5:30PM - 8:00PM

Future Innovator's Night at SARSEF Tucson Convention Center 260 S Church Ave, Tucson

Live entertainment, hands-on science, and demonstrations.



of Creativity

spark! Mesa Festival

See azscitech.org for a full list of events

Educators,

check out these opportunities to build your skill set in STEM and innovation! Full event details online at azscitech.org.

American Modeling Teachers Association Webinars (online)

Arizona Department of Education Workshops & Webinars (various locations)

Arizona Game and Fish Department
Fostering Outdoor Inquiry Skills Educator
Workshop (Phoenix)

Arizona K12 Center Educator Workshops (various locations)

Arizona Science Center Educator Workshops/PD (Phoenix)

Center for Recruitment & Retention of Mathematics Teachers Workshops (various locations)

Code Studio Workshops (Phoenix)

Cooper Center for Environmental Learning Science and Social Studies Activities for Global Citizenship Workshop (Tucson)

Desert Botanical Garden STEAM/ Biomimicry & Butterfly Teacher Workshops (Phoenix)

Maricopa County Cooperative Extension
Office Systems Thinking 101 Through a
Water Lens (Phoenix)

Miracle League of Arizona Science and Technology Special Needs Resource Fair (Scottsdale)

Musical Instrument Museum STEM + Music PD Session (Phoenix)

PBS LearningMedia 101 (Webinar)

Phoenix Zoo Free Teacher Orientation

Reid Park Zoo Free Educator Workshops (Tucson)

Science Learning Associates Be a Teacher of Innovation - Design Thinking for Educators (Tempe)

Southern Arizona Regional Education Center Workshops (Tucson)

SRP Powering Our Future Workshops (various locations)

STEM Arizona Education Collaborative STEM = Integration & Innovation Unconference (statewide locations)

STEMteachersPHX 2nd Annual Unconference (Phoenix)

Stratum Laser Tag Facilitated STEM and Health & Fitness Programs (Mesa)

University of Arizona Science Lecture Series Teacher Course (Tucson)

Find more than 30 SciTech Festival events at the Maricopa Community Colleges.



Learn more, www.mancopa.edu/scitech



Chandler-Gilbert | Estrella Mountain | GateWay | Glendale | Mesa Paradise Valley | Phoenix | Rio Salado | Scottsdale | South Mountain

The Maricopa County Community College District (MCCCD) is an EEO/AA institution.



Field Science

Take a bird walk and learn all about owls, hummingbirds and more, and explore nature at various hikes, canoe trips and geocaching treasure hunts. Broaden your horizons about conservation, biomimicry, plant microbiology, wildlife, GIS and archaeology. Search these venues online at azscitech.org for event details.

VALLEYWIDE

Arizona Game and Fish Office (Phoenix) Camp Verde Community Center Chandler Environmental Educational Center

The Chandler Museum Desert Breeze Park Hummingbird Habitat

(Chandler)

Desert Botanical Garden (Phoenix) **Estrella Mountain Regional Park**

(Goodyear) **Gilbert Riparian Preserve**

Great Arizona Puppet Theater (Phoenix) McDowell Mountain Regional Park

McDowell Sonoran Conservancy

Nina Mason Pulliam Rio Salado Audubon Center (Phoenix)

Phoenix Zoo (Phoenix)

Pueblo Grande Museum (Phoenix)

South Mountain Environmental Education Center (Phoenix)

Spur Cross Ranch Conservation Area (Cave

Veteran's Oasis Park (Chandler) White Tank Mountain Regional Park

Zaniero Park (Gilbert)

STATEWIDE

Agua Caliente Park (Tucson) Appleton-Whittell Research Ranch (Elgin) **Brandi Fenton Memorial Park** (Tucson) City of Sedona Treatment Plant (Sedona) Colossal Cave Mountain Park (Vail) Heritage Park Zoological Sanctuary (Prescott)

Montezuma Castle (Camp Verde) Old Pueblo Archaeology Center (Tucson) Out of Africa Wildlife Park (Camp Verde)

Reid Park Zoo (Tucson)

Sedona Wetlands Preserve (Sedona) Sweetwater Wetlands (Tucson)

Tohono Chul Park (Tucson) Tucson Botanical Gardens (Tucson)

Verde Valley Archaeology Center and Museum (Camp Verde)

Verde Valley National Monuments (various)

Willow Bend Environmental Education **Center** (Flagstaff)

UPCOMING EVENT HIGHLIGHTS:

APRIL EVENTS

THU 4/6

12:30PM - 6:00PM

Aerospace, Aviation & Defense and Manufacturing Conference - \$ Hilton Scottsdale

WED 4/12 - THU 4/13

TIMES VARY

6333 N. Scottsdale Rd

Arizona Science and **Engineering Fair Public Day and Awards** Ceremony

Phoenix Convention Center 100 N 3rd St, Phoenix

SAT 4/22

9:00AM - 1:00PM

North Valley STEAM Expo Paradise Valley Community College 18401 N 32nd St, Phoenix

Join students, faculty, community members, and local businesses as they showcase how they use STEAM on a daily basis.

10:00AM

Gila County STEMFest Gila Community College 8274 S Six Shooter Canvon Rd. Globe

FRI 4/28

8:00AM - 2:00PM

Math & Science Experience Cochise College 901 N Colombo Ave. Sierra Vista

Students experience STEM in fun, exciting and hands-on ways with ongoing activities and scheduled workshops.

See azscitech.org for a full list of events

nextiva cares

Helping Others Build Amazing

We are dedicated to supporting our local community by empowering young men and women to pave the way for future innovations. Nextiva Cares, the philanthropic arm of Nextiva, encourages our youth to explore science, technology, engineering, art, and math (STEAM) education.



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EVENT HIGHLIGHTS:

School Events

Bridges

Communities around Arizona celebrate K-12 science. Check out a school STEM expo or competition in your area. Event details online at azscitech.org.

Alhambra Elementary **School District**

Intel Engineering Day FRI 2/24, 8:00AM - 2:00PM Andalucia Middle School 4730 W Campbell Ave. Phoenix

Alhambra High School STEAM Expo

THU 3/23, 9:00AM - 3:00PM 3839 W Camelback Rd, Phoenix

Auxier Elementary School

STEAM Night FRI 2/3, 5:00PM - 8:00PM 22700 S Power Rd, Queen Creek

Beaver Creek School

STEAM Extravaganza WED 3/1, 6:00PM - 7:30PM 4810 E Beaver Creek Rd, Rimrock

Community School

Big Park

Elementary School Extreme STEAM

Adventure

THU 3/2, 6:00PM - 7:30PM 5205 S Soboba St. Gilbert

Canyon **Elementary School**

STEM Night

TUE 4/25, 5:00PM - 7:00PM 5490 W Paradise Ln, Glendale

Canyon Ridge Elementary School

Annual STEAM Night THU 3/16, 6:00PM - 8:00PM 17359 W Surprise Farms Loop N, Surprise

Canyon Springs

WED 2/22, 5:00PM - 7:00PM

STEM Academy Annual STEM Night

42901 N 45th Ave. Anthem

Family STEM Night THU 3/2, 5:00PM - 6:30PM 25 W Saddlehorn Rd, Sedona

Carl Hayden High School

SciTech Festival SAT 2/11, 10:00AM - 2:00PM

3333 W Roosevelt St, Phoenix

Casa Grande Union High School District 6th Annual SciTech Festival

FRI 3/3, 8:00AM - 3:00PM 2730 N Trekell Rd, Casa Grande

Cave Creek Unified School District

Science Night

THU 2/16, 6:00PM - 8:00PM Sonoran Trails Middle School

5555 E Pinnacle Vista Dr, Cave Creek

Centennial Elementary School STEAM Night

WED 4/19, 5:30PM - 7:30PM 3507 S Ranch House Pkwy, Gilbert

Centerra Mirage STEM Academy

Science and Engineering Fair SAT 3/4, 9:00AM - 12:00PM 15151 S Centerra Dr S, Goodyear

Circle Cross Ranch K-8 STEM Academy

Science Fair and Star Lab WED 1/25, 5:30PM - 7:00PM 35900 N Charbray Dr, San Tan Valley

C.O. Greenfield School Star Party

WED 2/8, 6:30PM - 8:00PM 7009 S 10th St, Phoenix

Copper Basin K-8 School

Science Fair

THU 2/2, 6:00PM - 7:00PM 28682 N Main St, San Tan Valley

Cordova Elementary School Family STEM Night

THU 4/27, 5:00PM - 6:00PM 5631 N 35th Ave, Phoenix

Coronado **Elementary School**

STEAM Night WED 2/15, 5:30PM - 7:30PM

4333 S De Anza Blvd, Gilbert

Cortina Elementary School

S.T.E.A.M. Night THU 2/16, 5:00PM - 7:00PM 19680 S 188th St. Queen Creek

Cottonwood Oak Creek School District

STEM Fair

THU 3/2, 5:00PM - 6:00PM

1 N Willard St, Cottonwood

Desert Willow Elementary School

Vail Family Science Night

THU 2/2, 5:30PM - 7:30PM

9400 E Esmond Loop, Tucson

Florence Unified School District

K-8 Science Fair

WED 2/22, 6:00PM - 7:00PM Poston Butte High School

32375 N Gantzel Rd. San Tan Vallev

Granada Primary School Math and Science Night

TUE 4/27, 4:30PM - 6:00PM 3232 W Campbell Ave, Phoenix

Hamilton High School

Hamilton Invitational Science and **Engineering Fair** SAT 2/25, 11:00AM - 3:00PM 3700 S Arizona Ave. Chandler

Heard Elementary School

Music Education Powers **STEM**

FRI 3/10, 2:00PM - 4:30PM 2301 W Thomas Rd. Phoenix

Ironwood High School

The Eagles Az SciTech Festival

WED 3/1, 7:30AM - 2:00PM 6051 W Sweetwater Ave. Glendale

J.O. Combs Unified **School District**

SciTech Celebration THU 2/16, 6:00PM - 7:00PM Combs High School

2505 E Germann Rd, San Tan Valley

K12 Blended Learning Center at Queen Creek

Maker Fest

SAT 3/25, 12:00PM - 4:00PM 18477 S 186th Way, Queen Creek

Liberty Elementary School

AG Showcase & Kindergarten Round Up 19818 W Hwy 85. Buckeye

Lone Mountain Elementary School

Math & Science Night FRI 3/17, 6:00PM - 8:00PM 5250 E Montgomery Rd, Cave Creek



Mansfeld STEM Magnet Middle School

Family STEM Night -Math Intersections THU 2/16, 5:00PM - 7:00PM 1300 E 6th St, Tucson

Mesa Public Schools

5th Annual SciTech Expo SAT 2/25, 10:00AM - 2:00PM

Skyline High School 845 S Crismon Rd, Mesa

Mingus Union High School / City of Cottonwood

Connecting Kids and Careers Through STEAM! WED 3/1, 8:30AM - 2:30PM

1801 E. Fir St., Cottonwood Open to public at 1:30PM

Oak Creek School

STEM Celebration THU 2/23, 5:00PM - 6:00PM

11490 E Purple Sage Dr, Cornville

Paradise Valley High School

PVSTEAM Celebration SAT 2/25, 8:00AM - 4:00PM 3950 E Bell Rd, Phoenix Open to public at 12:00PM

Power Ranch Elementary School

STEM Night

THU 3/2, 5:30PM - 7:00PM 4351 S Ranch House Pkwy, Gilbert

Red Mountain High School

Science Fair & STEM Day FRI 2/10, 3:30PM - 5:30PM

7301 E Brown Rd, Mesa

Roosevelt School District

STEAM Festival SAT 3/4, 10:00AM - 2:00PM

South Mountain Community College 7050 S 24th St, Phoenix

Sevilla West Middle School

STEM Showcase TUE 5/2, 5:30PM - 7:00PM

3851 W Missouri Ave, Phoenix

Sonoran Sky Elementary School

STEM Night and Science Fair

THU 2/2, 6:00PM - 8:00PM 12990 N 75th St. Scottsdale

Sonoran Science **Academy Tucson** STEAM Night

WED 2/1, 3:00PM

2325 W Sunset Rd, Tucson

Super Cool Kenilworth School STEAM Club Exhibition

FRI 3/10, 2:30PM - 5:30PM

1210 N 5th Ave, Phoenix

Twin Peaks Elementary School

Science Fair WED 2/22, 6:00PM

7995 W Twin Peaks Rd, Tucson

Tolleson Union High School

STEM Con

FRI 3/24, 5:00PM - 8:00PM 9419 W Van Buren St. Tolleson

Verde Valley Montessori

Science Bone Connected to the Brain Bone THU 3/2, 5:00PM - 6:30PM 215 S Main St, Cottonwood

Villago Middle School

Family Science Night WED 3/1, 5:00PM - 7:30PM 547 E Lakeside Pkwy, Casa Grande

Weinberg

Elementary School Science Night

THU 1/26, 5:00PM - 6:30PM 5245 S Val Vista Dr. Gilbert

Westwood **Primary School**

Family Math and Science Night

TUE 2/7, 4:00PM - 6:00PM 4711 N 23rd Ave. Phoenix

Willis Junior High School

Ignite Festival SAT 2/4, 10:00AM - 1:00PM

401 S McQueen Rd, Chandler



See azscitech.org for a full list of events

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ATTORNEY GENERAL MARK BRNOVICH For more information visit www.AZAG.gov

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