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**Presented by: The Las Vegas Natural History Museum**

**In collaboration with:** Clark County School District, College of Southern Nevada, Desert Research Institute, National Park Service, and University of Nevada Las Vegas.



**All events made possible thanks to the generous support of our sponsors:**



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# Get Your Science On

YOUR GUIDE to NINE DAYS of SCIENCE FUN for EVERYONE



April 29 – May 7, 2016  
Free Admission

[www.SciFest.vegas](http://www.SciFest.vegas)

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# Welcome

The Las Vegas Science & Technology Festival is back! This year, the largest educational event in Nevada is celebrating its 6th anniversary, and it's going to be bigger and better than ever. We're offering nine jam-packed days of FREE events designed to spark kids' curiosity and showcase the amazing science and technology happening right here in Southern Nevada.

## THE FESTIVAL AT A GLANCE

### **CSN Science & Technology Expo: Friday, April 29**

During the Festival's kick-off event, students can check out the cool science and technology happening at CSN.

### **Clark County Wetlands Park BioBlitz**

**Friday, April 29 & Saturday, April 30**

Become a naturalist for a day! Find and identify as many different plants and animals as possible as you explore the Wetlands Park Nature Preserve.

### **Junior Scientist Day: Saturday, April 30**

There's fun for the whole family at Lake Mead National Recreation Area, where kids can become Junior Rangers and get close to nature.

### **Science is Everywhere Day: Sunday, May 1**

Science and technology are everywhere in Southern Nevada! Here's your chance for behind-the-scenes tours and VIP access to amazing places where real science happens every day.

### **Science in the Schools: Monday, May 2 - Friday, May 6**

Technology experts, science pioneers, and math wizards will be visiting public and private K-12 schools all week for special talks and amazing demonstrations!

### **Science in the Community: Monday, May 2 - Friday, May 6**

Geek out your week with exciting programs exploring hot science and technology topics. From forensics to food, Star Wars to dinosaurs, and even mini farm animals, there's something for every budding scientist to enjoy.

### **Giant Expo at Cashman Center: Saturday, May 7**

Get your hands on tons of science fun with over 80 interactive demonstration stations at the biggest celebration of science in Southern Nevada!

# Friday April 29

## CSN Science and Technology Expo

Students can explore the fun and fascinating science and technology that happens at CSN every day. Check out a planetarium show, spend time with creepy crawly critters, and learn about web design.

**9am – 1pm. CSN Cheyenne Campus - 3200 E. Cheyenne Ave**

*For more information, call 702.651.4959.*

## Clark County Wetlands Park BioBlitz 2016

Become a naturalist for a day! Find and identify as many different plants and animals as possible as you explore the Wetlands Park Nature Preserve. Scientists and experts will be on hand to help. The event will also offer activities with a National Geographic Giant Traveling Map of North America. Advance signup requested at [www.clarkcountynv.gov/wetlandspark](http://www.clarkcountynv.gov/wetlandspark)

**Friday: 5:30 pm – 8:30 pm, Saturday: 6:30 am - 9:30 am. 7050 Wetland Park Drive**

*For more information, call 702.651.4959.*

# Saturday April 30

## Junior Scientist Day

Join park rangers at Lake Mead National Recreation Area for a day of family fun at Boulder Beach Picnic Area. Have fun while learning about such things as fire and rescue equipment, bird watching, archaeology, plants and animals, water safety education, and so much more. Also, meet the “working dogs of Lake Mead” and learn the science of training dogs as part of the ranger team!

**10am - 2pm. Boulder Beach Picnic Area Lake Mead National Recreation Area**

*For more information, call 702.293.8990.*



## PLEASE NOTE

Programs are suitable for all ages unless noted

Events marked with a yellow burst have limited capacity and require registration to attend. Registration for activities begins Wednesday, April 13th.



# Sunday May 1

**Programs are grouped by geographic area. Plan your route through the Vegas valley for a whole day of science fun!**

- Boulder City
- Henderson
- Las Vegas
- The Strip
- South Valley
- Pahrump

## Scenic Science in the Black Canyon (Boulder City)

Enjoy a Postcard tour of the Colorado River and Black Canyon. Drive near the base of Hoover Dam and spend 30 minutes on a raft learning more about the construction of Hoover Dam, the Colorado River, and the wonders of the Black Canyon.

**Lake Mead Visitor Center – 10 Lakeshore Road**

*90-minute tours at 9:30am, 11:30am, 1pm. Registration required. Contact 702.278.0606 with the number of people, their ages, a contact number, and the tour time. Meet at Lake Mead Visitor Center.*

## Printing Nature (Boulder City)

Blend art, science, and the outdoors by making nature prints. Discover amazing adaptations in the plant world and learn why plants in the Mojave Desert look the way they do.

**Lake Mead Visitor Center - 10 Lakeshore Rd**  
*Drop in for activities between 10am and 4pm.*

## Peeking into Nevada's Past (Las Vegas)

Visitors to the Nevada State Museum are wowed by its towering mammoth skeleton and enormous ichthyosaur. But did you know that only a fraction of the museum's collection is on exhibit? Get rare access to the museum's collections area for this special behind-the-scenes tour.

**Nevada State Museum – 309 S. Valley View Blvd**

*Tours at 11am, 12pm, 1pm. Reservations required. Register online at [SciFest.vegas/events](http://SciFest.vegas/events) or call 702.384.3611.*



## Science Is Everywhere Day Continued

### The Circle of Life (Las Vegas)

Step inside Nevada's only Organ Perfusion Lab to check out real organs! Learn what happens when these organs stop working, and meet people who have gotten transplants.

**Nevada Donor Network –  
2061 E. Sahara Ave**

*Tours will run every 15 minutes from  
10am - 4pm. Tours are first-come, first  
served and space is limited.*

### Sign Science Techie Tour (Las Vegas)

Explore the science and technology of electrified signs while learning how neon, incandescent, and LED lights have illuminated the world-famous Las Vegas skyline.

**The Neon Museum - 770 Las Vegas Blvd N.**

*45-minute tours at 6pm and 6:45pm.  
Must have a ticket to attend. Get tickets  
at [scifest.vegas/neonmuseum](http://scifest.vegas/neonmuseum)*

### Ologist Day (Las Vegas)

Budding science lovers will get an opportunity to meet real scientists from many different fields. Kids can ask questions and get their hands on real fossils, artifacts, and live animals.

**Las Vegas Natural History Museum –  
900 Las Vegas Blvd N.**

*Ongoing programs from 1pm – 4pm.*

### Red Rock is Alive (Las Vegas)

Get close to nature with activities about the flora, fauna, cultural history, and geology of Red Rock Canyon and the Mojave Desert.

**Red Rock Canyon Visitor Center –  
1000 Scenic Loop Drive**

*Activities run from 10am - 2pm daily. \$7 park  
entrance fee. America the Beautiful passes  
accepted.*

### The Science of Saving Lives (Las Vegas)

Peek inside the only Level 1 Trauma Center in Nevada. Meet the surgeons, doctors, and nurses trained to handle any life-threatening condition, even if that means holding someone's heart in their hands.

**University Medical Center:  
Trauma Building – 800 Rose St**

*Tours every fifteen minutes between 10am and  
noon. Ages 12 and up. Registration required.  
Register online at [SciFest.vegas/events](http://SciFest.vegas/events) or call  
702.384.3611.*

### My Robotic Friends (Las Vegas)

In this unplugged workshop, you'll learn a bit about how robots work and the FUNdamentals of coding. Then, you'll get some practice writing programs for your robotic friends to execute. This activity is suitable for kids ages 6 and up.

**Las Vegas Library – 833 Las Vegas Blvd N.**

*One-hour program at 12:45pm, geared  
towards ages 7-17. Registration  
recommended; RSVP at [techbrainiacs.com](http://techbrainiacs.com). Contact 702.233.5845 or [info@techbrainiacs.com](mailto:info@techbrainiacs.com) for more info.*

### The Immersion Dome Experience (Las Vegas)

Experience everything from the ocean to outer space in a unique 360-degree immersion dome outfitted with cutting-edge video technology. Lean back, relax, and enjoy the show!

**Downtown Container Park  
Immersion Dome – 707 Fremont St**

*Drop in between 3pm and 6pm. Register by  
emailing [Lauren.Medina@downtownproject.com](mailto:Lauren.Medina@downtownproject.com), subject line: Science & Tech Festival.*

### Science Day at the Springs Preserve (Las Vegas)

Explore the Preserve's gardens and other open spaces with science crafts, a scavenger hunt, and tours of the DesertSol UNLV Solar House.

**Springs Preserve – 333 S. Valley View Blvd**

*Activities from 11am - 4pm, with Solar House  
tours at 1pm and 3pm. Tours are first-come,  
first-served. Festival programming is free but  
admission required for indoor spaces.*

### More than Meets the Eye... (Las Vegas)

Experience the exciting history of nuclear testing in America. Tour the Museum and take part in activities featuring Geiger counters, Doctor Edgerton's Piddler, and more!

**National Atomic Testing Museum -  
755 East Flamingo Road**

*Activities from noon - 5pm.*

### Keeping the Lights On (Las Vegas)

NV Energy uses advanced monitoring and predictive tools, including complex modeling to predict when one of its power plants may lose efficiency or reliability. Come learn how a small team leverages technology to assure NV Energy's power production is among the most reliable in the country.

**NV Energy - 6226 West Sahara Avenue**  
*Programs at 11am and 12pm. Reservations  
required. Register online at [SciFest.vegas/events](http://SciFest.vegas/events)  
or call 702.384.3611.*

## Breaking News! (Las Vegas)

How do all those pictures and stories wind up in your newspaper? Take a tour of the Las Vegas Review-Journal Press Room to see how Nevada's largest paper gets printed every day.

**Las Vegas Review-Journal - 1111 W. Bonanza Road**

One-hour tour at 11am. Reservations required; email Sandy McGill at [smcgill@review-journal.com](mailto:smcgill@review-journal.com).

## Sharks in the Desert (Las Vegas)

What does it take to operate a 1.3 million gallon aquarium filled with sea life in the middle of the Mojave Desert? Go on a behind-the-scenes tour to discover the science that makes it possible.

**Shark Reef Aquarium at Mandalay Bay – 3950 Las Vegas Blvd S.**

Tours at 10am, 10:30am, 11am, and 11:30am. Ages 10 and up. Registration required. Register online at [SciFest.vegas/events](http://SciFest.vegas/events) or call 702.384.3611.

## The Science of Beautiful (The Strip)

Learn what it takes to create detailed and elaborate displays every season, including over 100 expert horticulturalists, water features, architectural touches, and theatrically-arranged plants.

**Bellagio Conservatory and Botanical Gardens - 3600 Las Vegas Blvd S.**

30-minute tours will run between 9am and noon. Registration required. Register online at [SciFest.vegas/events](http://SciFest.vegas/events) or call 702.384.3611.

## The Bellagio Fountains Revealed (The Strip)

Meet the experts that use a host of STEM disciplines to weave together water, music, and light to create the iconic Fountains of Bellagio show.

**Bellagio Fountains – 3600 Las Vegas Blvd S.**

45-minute tours will run between 10am and 11am, and space is limited. Ages 10 and up. Registration required. Register online at [SciFest.vegas/events](http://SciFest.vegas/events) or call 702.384.3611.

## Lava in Las Vegas? (The Strip)

What does it take to create a volcanic explosion on the Las Vegas Strip? Go behind the scenes at the Mirage Volcano to see how science and technology make this exciting show happen.

**Mirage Volcano – 3400 Las Vegas Blvd S.**

Tours every 30 minutes from 2pm to 5:30pm. One adult must be present for every 5 children. Registration required. Register online at [SciFest.vegas/events](http://SciFest.vegas/events) or call 702.384.3611.

## Homegrown Engineering (Henderson)

Members of the Hackerspace will show off their homegrown mad science creations, including Tesla coils, robots, 3D dinosaurs, and more! Plus, learn how you can join the action.

**SYN Shop - The Las Vegas Hackerspace – 1075 American Pacific Dr.**

Open house from 11am - 4pm.

## Wild Water Park Waves (South Valley)

On this exclusive tour, see how the park's water is pumped, cleaned, and recycled, and get a peek behind the wave pool to learn how we make waves!

**Wet 'n' Wild Las Vegas – 7055 S. Fort Apache Rd**

45-minute tours at 11am and 2pm.

Registration required. Register online at [SciFest.vegas/events](http://SciFest.vegas/events) or call 702.384.3611.

## Be a Mix Master (South Valley)

The Las Vegas - Clark County Library District's TechArt Studios initiative will highlight its Learn to DJ program with hands-on demonstrations and performances!

**Enterprise Library - 25 E. Shelbourne Ave**

Open house from 10am - 6pm.

## Exotic Aquatic (South Valley)

Experience a day in the life of a Silverton biologist, who relies on biology, chemistry, and technology to keep the aquarium's animals happy and healthy.

**Silverton Casino Aquarium – 3333 Blue Diamond Rd**

45-minute tours at 9am and 11am. Registration required. Register online at [SciFest.vegas/events](http://SciFest.vegas/events) or call 702.384.3611. Tours are not ADA accessible.

## How Does Hydro-Flight Work? (Pahrump)

Blast off at Jetpack America! Learn how hydro-flight machines work and discover where this technology is headed in the future. Plus, get a chance to win a free jetpack ride!

**Jetpack America –**

**3601 South Highway 160, Pahrump**

2-hour program begins at 11am. Registration suggested; contact Kevin@[jetpackamerica.com](http://jetpackamerica.com) or (888) 553-6471x3.

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## Monday, May 2

### Crimebusters

Join local law enforcement, forensic scientists, medical examiners, and more to unravel the evidence, follow the clues, and solve the mysteries of crime fighting. Las Vegas Metropolitan Police, Crime Lab, and Clark County Coroner's office will share tricks and techniques of DNA extraction, fingerprinting, bone identification, and crime scene re-construction through hands-on activities for the whole family.

**5:30pm - 7:30pm. Veteran's Tribute Career and Technical Academy - 2531 Vegas Dr.**



## Tuesday, May 3

### Tasty Science

Join Hard Rock Hotel's Executive Chefs to discover the science behind the foods you prepare and eat. Why are foods spicy? What's the super-fast freezing thing on the food shows? Learn about how technology is changing what and how we eat and quite possibly learn a trick or two to take home to your own kitchen!

**6:30pm - 8pm. Hard Rock Hotel & Casino**  
Registration required. Register online at [SciFest.vegas/events](http://SciFest.vegas/events) or call 702.384.3611.



## Wednesday, May 4

### May Science Be With You

Desert Research Institute & The National Atomic Testing Museum will open their doors to science exploration and Las Vegas's official Star Wars Celebration.

DRI Lab Tours, Hands On Activities for all ages, Scientist Presentations, Free Museum Admission, Special appearances, photo ops with 501 Legions' Neon City Garrison Star Wars Characters, and Food Trucks.

**4pm - 8pm. Desert Research Institute**  
755 E. Flamingo Rd.



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## Thursday, May 5

### Dinosaurs of the Past, the Present and the Future

Join renowned paleontologist and consultant for the blockbuster movie franchise, Jurassic Park, Dr. Jack Horner for an evening in the prehistoric past. Dinosaurs may be extinct but what does their future hold? This family-friendly presentation will explore the past, present and future of these exciting creatures.

**6:30pm - 8pm. Clark County Library  
1401 E. Flamingo Rd.**

### Science Trivia Night

How many elements can you name? Can you recognize a scientist other than Einstein? Are you, in fact, smarter than a 5th grader? Gather your friends and test your knowledge in classic pub trivia style.

**6:30pm - 8pm. McMullan's Irish Pub & Restaurant, 4650 W Tropicana Ave.**

## Friday, May 6

### Cows, Goats, and Horses, Oh My!

Rediscover historic Floyd Lamb Park at Tule Springs and get up-close and personal with the critters that live there. Visit barnyard animals, take a guided nature walk, and learn about the science of horses in the Old Dairy Barn.

**4pm - 7pm. Floyd Lamb Park at Tule Springs - 9200 Tule Springs Road**

### The Fantastic Beasts of Shark Reef Aquarium and How to Save Them

Discover the exotic and amazing animals of Shark Reef Aquarium. See them from a team members perspective and learn about what it takes to care for them in the middle of the desert. Find out the threats they face in the wild, and learn what Shark Reef and other AZA institutions are doing to help protect and preserve these fantastic beasts!

**630pm, 1 hour. Shark Reef at Manalay Bay  
3950 Las Vegas Blvd S. Register online at  
[SciFest.vegas/events](http://SciFest.vegas/events) or call 702.384.3611.**

## Weeklong event

### Red Rock is Alive

Get close to nature with activities about the flora, fauna, cultural history, and geology of Red Rock Canyon and the Mojave Desert.

**Red Rock Canyon Visitor Center -  
1000 Scenic Loop Drive**

*Activities run from 10am to 2pm daily. There is a \$7 per vehicle entrance fee, or America the Beautiful passes are accepted.*



## Saturday, May 2

### Giant Science & Technology Expo

Get in touch with your inner scientist at the Festival's biggest event! It's a FREE full day of one-of-a-kind science and technology experiences and engaging science-themed entertainment. There's something fun for everyone to do at the Science & Technology Expo....

- See robotics demonstrations
- Cheer on your favorite Rubik's Cube team
- Let amazing insects bug you
- Check out dinosaurs and other prehistoric creatures
- Star gaze
- Touch giant fossils discovered right here in Nevada
- Touch the technology of the future
- And so much more!

**10am - 5pm**

**Cashman Center in  
the Cultural Corridor**

**850 Las Vegas Blvd N.**

*FREE ADMISSION. Must pay to park.*