



# Discover the Wonder

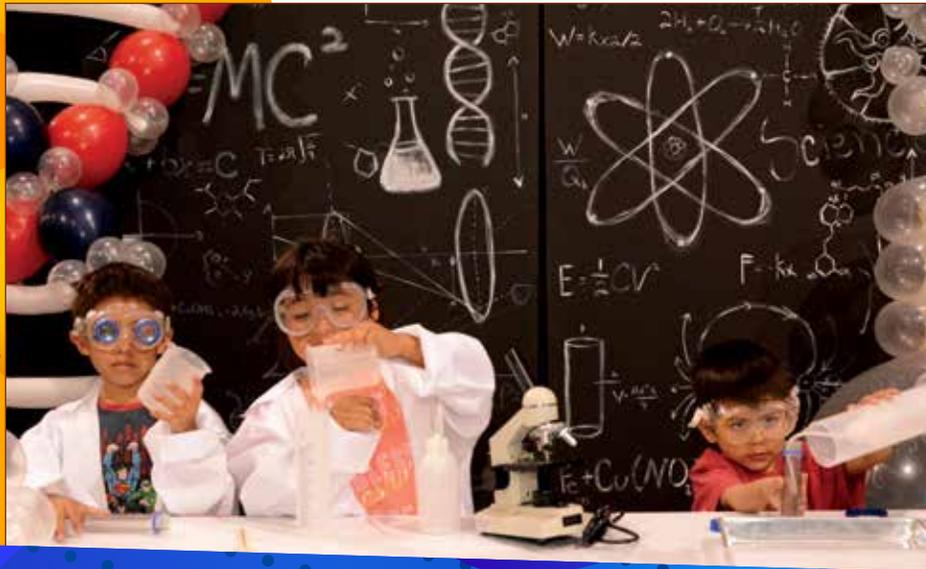
April 23 – April 30, 2021  
Free Admission



**YOUR GUIDE to EIGHT  
DAYS of SCIENCE FUN!**



Visit [www.SciFest.vegas](http://www.SciFest.vegas)  
#lvscifest ·   



# Welcome

**The Las Vegas Science & Technology Festival is back!** This year, the largest educational event in Nevada is celebrating its 10th anniversary, and it's going to be bigger and better than ever. We're offering eight jam-packed days of FREE virtual events designed to spark kids' curiosity and showcase the amazing science and technology happening right here in Southern Nevada.

**Friday, April 23**

**PRE-EVENT**

**Hunting Deep Space for the Milky Way's Doppelganger**

Are you and your family interested in an evening of excitement and wonder? Join Las Vegas local Dr. John Boisvert, Slooh's Director of Curriculum, and Paul Cox, Slooh's Chief Astronomical Officer, for a Family Star Party where you will enjoy real-time views through Slooh's array of telescopes located at our observatories in the Canary Islands and Chile. During the live event, we will embark on a hunt for the Milky Way's doppelganger!

You will learn how humanity determined that the Milky Way is one of billions of galaxies, discover the different types of galaxies in the Universe, and together we will find the Milky Way's twin.

If time permits, we'll explore some of the beautiful celestial gems currently visible through Slooh's telescopes. Since our telescopes are streaming in real-time, we might catch a meteor, or even a satellite, in the telescopes on our journey through the cosmos! While this hour-long event is geared for middle and high school students, students of all ages (including their families and educators) are encouraged to join. Sign up today at [scifest.vegas](http://scifest.vegas) or [slooh.com](http://slooh.com)!

**Slooh Vegas Valley Family Star Party**  
**6:30 p.m. • Live Virtual Event**

## Saturday, April 24

### FESTIVAL KICK-OFF EVENT

**Keynote Speaker- Gitanjali Rao, Student, Author & STEM Promoter**

Meet TIME's First-Ever Kid of the Year. Gitanjali Rao was recognized as America's Top Young Scientist and received an EPA Presidential Award for inventing her device "Tethys" - an early lead detection tool. Gitanjali is also the inventor of "Epione" - a device for early diagnosis of prescription opioid addiction using genetic engineering, and "Kindly" - an anti-cyberbullying service using AI and natural language processing. She was honored as Forbes "30 Under 30 in Science" in 2019 and TIME's "Top Young Innovator" and "Kid of the Year" for her innovations and STEM workshops she conducts globally, which has inspired over 38,000 students in the last two years across four continents.

**2:00 p.m. : Live Virtual Event**

### NCWIT Awards Ceremony

Please join us as the National Center for Women and Information Technology (NCWIT) Awards honors and acknowledges girls and young women in high school and college that are aspiring for careers in STEM and Technology. In addition to the NCWIT Awards, the Nevada Affiliate of NCWIT is the first affiliate to offer the Inspirations Awards, which recognizes, encourages, and supports girls in middle schools to consider pursuing careers in STEM and Technology careers.

**2:30 p.m. : Live Virtual Event**

## Sunday, April 25



**Science is Everywhere Day**

### Minexperience

Come and experience the mine experience, aka the "Jewel of the Desert," at the McCaw School of Mines. You will learn about mining, the history of mining and the importance of mining in Nevada.

**McCaw School of Mines**

**9:00 a.m. : Live Virtual Event**

### STEM & A Story, The Smart Scarecrow

Join us for an interactive 45 minutes and let's go and visit the SMART Scarecrow and his farm. Follow along with us and learn how to build a smart scarecrow and see how much fun a farm is where technology helps us to work and have fun.

Bring an open mind, and have a Chromebook or laptop as this session is interactive and you will have the opportunity to try out some cool stuff! Appropriate for ages five through eight years old.

**Coder School**

**10:00 a.m. : Live Virtual Event**

### Robots or AI

Sign up for an interactive 45 minutes and let's learn about robots and AI! How can we program robots and how can we "teach" AI to help us in everyday chores, be our companions, and keep us safe? Bring an open mind and have a Chromebook or laptop as this session is interactive and you will have the opportunity to try out some cool stuff! Appropriate for ages eight years through Adult.

**Coder School**

**11:00 a.m. : Live Virtual Event**

### National Atomic Testing Museum Virtual Tour

The Smithsonian-affiliated National Atomic Testing Museum will be hosting a live virtual tour of their main gallery. During the walk-through, the Museum will also be featuring three demonstrations, including the "Molecule Maker" and "Nevada Test Site Crater Painting" activities. The NATM will end this event with an exclusive Q&A session.

**National Atomic Testing Museum**

**12:00 p.m. : Live Virtual Event**

### Virtual Learning Experience with the DISCOVERY Children's Museum

Join DISCOVERY educators for some virtual learning experiences at home, with simple science experiments, artistic inspirations, and exciting story times! Then, join DISCOVERY'S Science Guy, Chris Lucas, as he provides an engaging tour through all of the Museum's gallery spaces. Take a 3D VR tour of DISCOVERY Children's Museum without even leaving your house. Join this exciting virtual reality tour and explore our three floors of heart-pumping, brain-boosting, curiosity-quenching fun, adventure, and DISCOVERY!

**DISCOVERY Children's Museum**

**1:00 p.m.**

### Majestic Wonders

SeaQuest brings us the majestic wonders of our planet, ranging from rainforests and deserts to exotic marine life. Join us for an up close interaction with a few animal friends from around the world!

**SeaQuest-Las Vegas**

**1:45 p.m.**



All events are virtual and require registration on [www.scifest.vegas](http://www.scifest.vegas).

## Sunday, April 25

### Science is Everywhere Day

#### Sign Science Techie Virtual Tour

Experience a virtual tour using 3D scans of the Neon Boneyard. Explore the science and technology of electrified signs while learning how neon, incandescent, and LED lights have illuminated the world-famous Las Vegas skyline. Appropriate for ages third grade through adults.

#### The Neon Museum

**2:00 p.m.** : Live Virtual Event

#### Nevada State Museum Behind the Scenes Tour

The team at the Nevada State Museum, Las Vegas, will lead you on an all-access tour of their behind-the-scenes collections area. From fossils to photographs, hear from experts about fascinating objects not generally seen by the public.

#### Nevada State Museum

**3:00 p.m.**

#### Springboard Video Series

The Springboard Series provides experiential, science-based education opportunities through virtual, real-time interaction with conservation and water resource experts, scientists and naturalist from the Springs Preserve.

#### Springs Preserve

**3:30 p.m.**



#### Worlds Without End

Dr. Steffen will talk about NASA's Kepler mission and the discovery of planets orbiting distant stars. Dr. Steffen is an Assistant Professor of physics at UNLV. He has worked in a variety of fields including dark matter, dark energy, gravitation, exoplanets, and airline passenger boarding. Dr. Steffen was a scientist at the Fermi National Accelerator Laboratory near Chicago, a research faculty at Northwestern University, and was a member of the science team for NASA's Kepler mission. For that mission he contributed to the discovery and characterization of hundreds of distant planets.

#### Jason Steffen, Professor, College of Sciences, UNLV

**4:00 p.m.** : Live Virtual Event

#### The Bacteria All Around Us

Join members of the Boo Tseng Lab of UNLV to learn about how bacteria - the good guys and the bad guys - are everywhere! We will learn about how bacteria talk to each other to form their own "hidden" cities and how you can use good bacteria to make yogurt at home. Then we will show you how to kill the bad bacteria you touch every day. Earth is a microbial world; join us to learn more about it! Appropriate for ages six years old through adult. Activity requires adult supervision. All supplies needed for participation in the activity will be listed on website.

#### Boo Tseng Lab, School of Life Sciences, UNLV

**5:00 pm**

#### City of Las Vegas

> See Website for details.

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

#### Wetlands Explorer

Clark County Wetlands Park

> See Website for details.

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



#### Drawing with Muffalo Potato

Learn to draw in minutes the Muffalo Potato way! Grab your crayons, markers, pencils, or pens and follow along with John as he teaches you how to draw with letters and numbers.

> See Website for details.

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

## Monday, April 26

### Evening Events

#### Predicting the Weather in the Desert...Easy right? About That...

Curious what meteorologists do every day? They predict the highs, the lows, and the chance of rain right? Actually, that's only one part of the job that a meteorologist does. What do they do with the forecast once it's made? Who gets it? What tools do they use to make it? Do all meteorologists do the same thing across the country? Sign up for this virtual presentation and learn more about the meteorology of Las Vegas, the southwest United States, and the science of meteorology in general! Among the speakers will be Las Vegas' popular television and radio personality, Nathan Tannenbaum.

**6:00 p.m.** : Live Virtual Event

REGISTER  
ONLINE

All events are virtual and require registration on  
[www.scifest.vegas](http://www.scifest.vegas).

## Tuesday, April 27

### Evening Events

continued

#### Water Under Our Feet

To celebrate Earth Day, we will be taking a close look at groundwater, the water that flows under our feet. We will make a model of what happens underground when it rains and use the Engineering Design Cycle to create a well with a pump to simulate the removal of the water from the ground. After the hands-on program, you will view the documentary, *Expedition Chesapeake* and see how groundwater plays a part in the health of estuaries around the globe. Appropriate for ages fifth grade through high school. Supplies for the hands-on-program will be provided free of charge. Limited supplies at a first-come, first-served basis. See Website for details.

#### Big & Digital/Whitaker Center for Science and the Arts

**2:00 pm** : Live Virtual Hands-On Program. Film can be viewed immediately after.

REGISTER  
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## Wednesday, April 28

#### Science Distilled Evening Protecting the Desert: Indigenous and Western Stewardship

Greater than all of us is the environment that sustains life, offers its beauty, and has worth beyond any dollar value we could place on it. But if our reverence for nature does not acknowledge the care taken by the present and past stewards of the places we live, work, and play, our celebration lacks a heartbeat. Join Science Distilled for a watch party of *Surviving: The Story of the Lahontan Cutthroat Trout* and a panel of talented experts as we discuss the beauty of our landscapes, the importance of wildlife, and big questions related to recognizing Indigenous homelands today.

#### Desert Research Institute

**7:30 p.m. - 8:30 p.m.** :  
Live Virtual Event

## Thursday, April 29

#### Ologist Night

Budding science lovers will get an opportunity to meet real scientists from several different fields. Join us to see what they do in their particular field of science and ask these scientists questions during a live Q&A session.

#### Las Vegas Natural History Museum

**6:00 p.m. - 7:00 p.m.** :  
Live Virtual Event

## Friday, April 30

#### Rockets, Robots, & Reality: There's More to Space Exploration than Meets the Eye!

Join the CSN Planetarium team as we explore space exploration from every angle, not just what is displayed on television and in the media. Learn how missions like NASA's Mars Perseverance Rover go from concept to engineering and successful touchdown on the red planet, and the scientific discovery that continues beyond the landing. As human curiosity continues to push the boundaries of science and technology, learn how you too can be a part of the future of space exploration.

#### CSN Planetarium

**7:00 p.m.** : Live Virtual Event



@scifest.vegas



LOOK for the LVSTF

**GIANT EXPO**

in the FALL!

**Presented by: The Las Vegas Natural History Museum**  
**In collaboration with:** Clark County School District, Desert Research Institute, National Park Service and University of Nevada Las Vegas.



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



>>> LOOK FOR THE GIANT EXPO IN THE FALL >>>

Expo Planning & Coordination by **Mason Marketing**; Event identity and promotions by **eurie creative**. The Las Vegas Science & Technology Festival is produced by the Las Vegas Natural History Museum – a 501(c)3 non-profit organization. Contributions are deductible to the extent allowed.

