

How to turn on Live Closed Captions

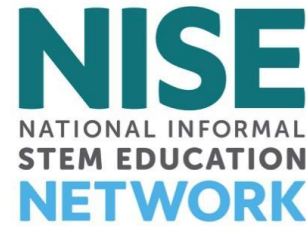
Once the host enables captions, participants will need to turn them on:

1. In the meeting **toolbar**, select **Show Captions**
(if you don't see this option on your toolbar, select **More...** and then **Captions**)
2. Confirm or choose the language in which the captions will appear and select **Save**
3. The subtitles will appear at the bottom of the Zoom window and can also be dragged to other parts of the window
4. Participants can **Hide Captions** to turn off the closed captions

NISE Network Online Workshop

Supersized STEM - All About Planning for Science
Festivals and Big STEM Events

Tuesday, July 23, 2024



Today's Presenters:

Ben Wiehe, MIT Museum & Science Festival Alliance in Cambridge, MA

Kaitlin Ehret, Bell Museum in Saint Paul, MN

Dan Schneiderman, Rochester Museum & Science Center (RMSC) in NY

Joshua Sarver, Center of Science and Industry (COSI) in Columbus, OH

Welcome! As we wait to get started with today's discussion, please:

Introduce yourself! Type your name, institution, and location into the [Chat Box](#)

Questions? Feel free to type your questions into the [Chat Box](#) at any time throughout the webinar or use the raise your hand function in the participants list and we'll unmute your microphone.

Today's discussion will be recorded and shared on nisenet.org at: nisenet.org/events/online-workshop

Introduction to Public Science Events

Ben Wiehe
Manager, Experimental Practice
Manager, Science Festival Alliance

NISE Network Online Workshop
July 23, 2024

MUSEUM
MIT

Event organizing is a craft

Event organizing is a craft

There are many strategic uses for events

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There are many strategic uses for events

**Practitioners are having fun together
taking public science events seriously**

Event Organizing is a Craft

The medium of this craft is the shared social experience.

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Like any craft, success in its medium is primary: science events must first work as events.

Like any craft, the end product is only the visible part of larger processes.

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The medium of this craft is the shared social experience.

Like any craft, success in its medium is primary: science events must first work as events.

Like any craft, the end product is only the visible part of larger processes.

Like any craft, event organizers need unique support to put into practice the less visible processes.

**The best event organizers are strategic about all aspects of their process.
(Some of us believe that event organizing is community organizing)**

Strategic Uses for Live Events

Magnify impact by focusing resources, attention, and audiences for a limited time.

Raise funds with earned income, sponsorships, and indirect economic impact.

Connect community members to year-round programs and initiatives.

Strategic Uses for Live Events

Magnify impact by focusing resources, attention, and audiences for a limited time.

Create the opportunity for community members to step into the spotlight.

Raise funds with earned income, sponsorships, and indirect economic impact.

Bridge cultural divides through a celebration of values that *are* shared.

Connect community members to year-round programs and initiatives.

Turn a group's ideas into an action-oriented collaboration with a firm deadline.

Strategic Uses for Live Events

Build relationships: form new ones, strengthen existing ones.

Magnify impact by focusing resources, attention, and audiences for a limited time.

Create the opportunity for community members to step into the spotlight.

Take risks and try new perspectives or processes as an organization.

Reshape or uphold a community's sense of identity in a highly visible way.

Raise funds with earned income, sponsorships, and indirect economic impact.

Bridge cultural divides through a celebration of values that *are* shared.

Connect community members to year-round programs and initiatives.

Turn a group's ideas into an action-oriented collaboration with a firm deadline.

www.sciencefestivals.org



www.situatedengagement.org

SCIENCE
IN VIVO

SCIENCE IN VIVO



www.science.events/summit



www.science.events



WELCOME TO
SCIENCE.EVENTS (BETA)

photo credit:

GATHERING A COMMUNITY OF PRACTICE FOR PUBLIC SCIENCE EVENTS

Science.events is the online hub for a community of practice dedicated to public science events: live, in-person events that connect people and science in some way.

This site is new: It is a first attempt to gather together event organizers in a more formal way. But the community represented here has been around for some time, meeting at the Science Events Summit, getting together in happy hours at other conferences, and visiting each others' events. We've so enjoyed these human connections over the years, but unless you got lucky you might not have known there were others out there that shared your passion for live events.

Well...now that you've found us, make yourself comfortable and stay a while. Take a look at some of the [event initiatives](#) our members produce, consider joining us at our [Summit](#), or leap right in and [become a member!](#)

Event organizing is a craft

There are many strategic uses for events

**Practitioners are having fun together
taking public science events seriously
You're invited!**

www.science.events/soon



**SCIENCE IN VIVO
2024 CALL FOR PARTICIPATION**

Photo credit:

**2024 CALL FOR
PARTICIPATION**

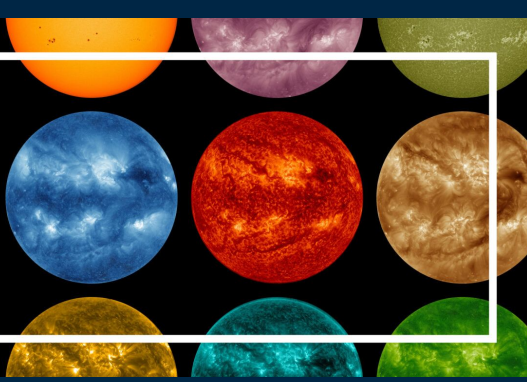
If you want to get involved in live events, there are two ways to go: start your own, or join someone else's. There are benefits and costs to each approach.

If you are interested in starting a new stand-alone event initiative, you'll find many friendly and inspiring colleagues here at science.events.

If you are interested in experimenting with ways of integrating science into an existing event, [Science In Vivo](#) is for you.

Space Fest
2024:
Celebrating
Our Star
February 16-18

bell
museum



SPACEFEST
GOING THE DISTANCE

150
years
bell
museum

SPACE.
FEST CLEARED
FOR
LAUNCH

SPACE
FEST

The Future of Space Exploration
February 3-6, 2022



bell museum



Planning Annual STEAM Events

Timelines

Collaborations

Implementation

Debriefs





Dan Schneiderman

Eclipse Partnership Coordinator at RMSc
Producer of ROC the Eclipse Festival

Other Festivals I've Produced or Supported:

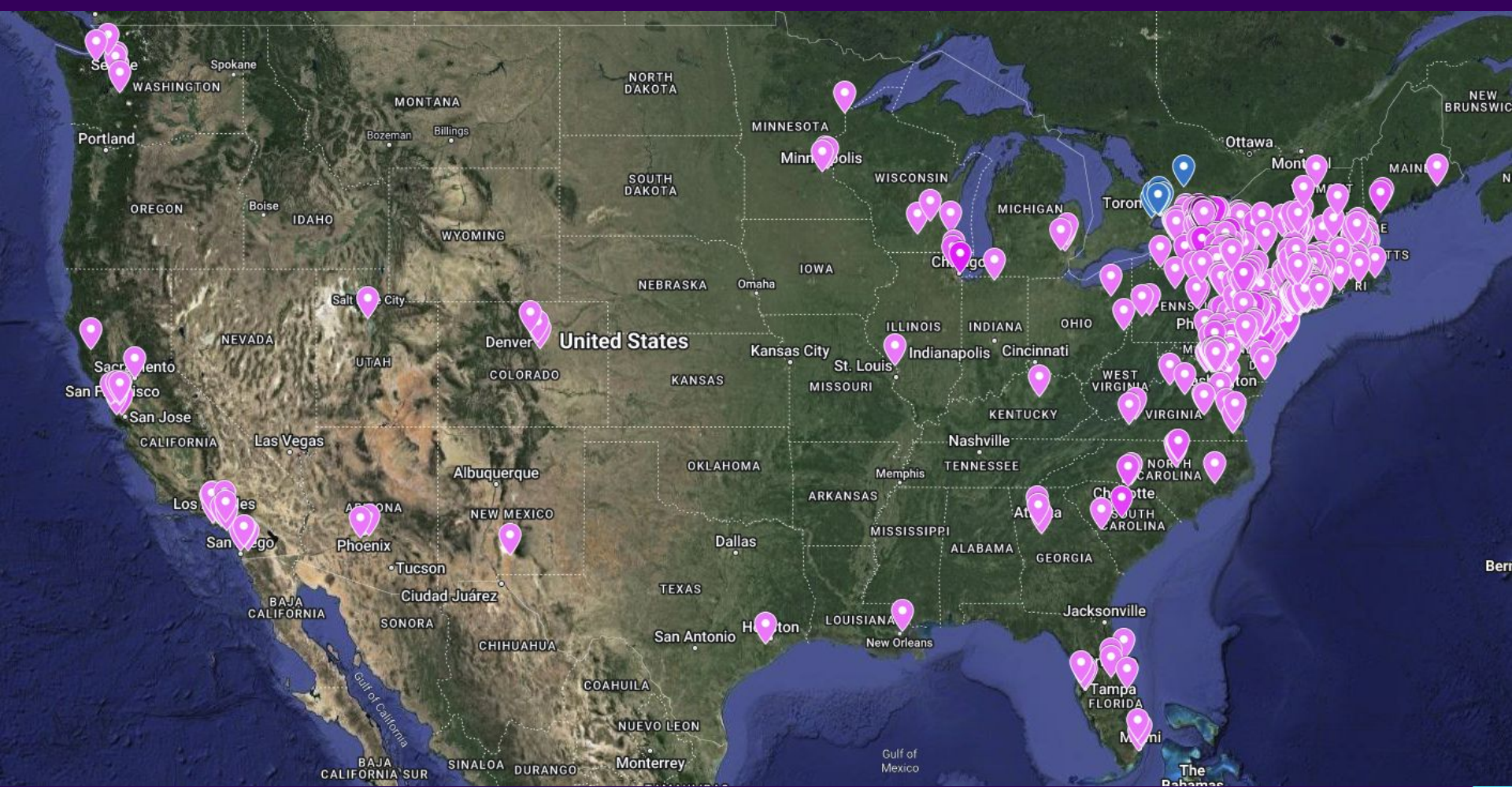
- Maker Faire Rochester
- FIRST Robotics Competition Finger Lakes Regional
- STEAM area at the Great New York State Fair

dschneiderman@rmsc.org

ROC the Eclipse By the Numbers

- 3 Day Festival
- 3 Years Working Towards Festival (mostly in 2023)
- 6 Food Trucks
- 21 Speakers
- 23 Sponsors
- 32 Exhibitors
- 38 Planetarium Shows
- ~50% attendees were from out of town
- 100% clouds during totality
- 160+ Volunteers
- 10,000+ Attendees
 - 29 states,
 - Canada, Puerto Rico, Germany, South Korea and the UK all represented
- Gift shop sold more in 3 days compared to a quarter of the year







ROC THE ECLIPSE 2024 FESTIVAL

DAY ONE Saturday, April 6

EISENHART AUDITORIUM

ASTRODANCE: Across the Universe
10:30-11:15am

NASA'S WEBB AND ROMAN TELESCOPES
Tony Whitman, L3Harris Technologies
noon-12:45pm

ECLIPSE ACROSS AMERICA: WHEN THE MOON EATS THE SUN, Phil Plait
1:30-2:15pm



WHAT WE LAUGH ABOUT IN THE SHADOWS, Comedy on Deck
3:45-4:30pm

BAUSCH AUDITORIUM

HOW CAN WE FIND PLANETS AROUND OTHER STARS? Michael Richmond, RIT
11:15am-noon

PUSHING THE EDGE OF THE COSMIC FRONTIER, Jeyhan Kartaltepe, RIT
12:45-1:30pm

WE LIVE IN A PLASMA UNIVERSE
David Schaffner, Bryn Mawr College
2:15-3pm

DO ALIENS GET TOTALITY?
Dr. Adam Frank, University of Rochester
3:00-3:45pm

KEYNOTE



ROC THE ECLIPSE 2024 FESTIVAL

DAY TWO Sunday, April 7

EISENHART AUDITORIUM

THE SEARCH FOR EARTH-LIKE PLANETS
Matthew East, L3Harris Technologies
10:30-11:15am

HAUDENOSAUNEE AND THE ECLIPSE
Allie Hargrave
noon-12:45pm

STUDYING THE GEOLOGY OF THE MOON
Cate Larsen, AKA Groovy Geologist
1:30-2:15pm



EINSTEIN'S ECLIPSE
Matthew Stanley, NYU
3:45-4:30pm

KEYNOTE

BAUSCH AUDITORIUM

FRONTIERS OF PLASMA PHYSICS, Eva Kostadinova, Ph. D. Auburn University
11:15am-noon

GALAXIES & THE UNIVERSE
Dr. Kelly Douglas, U of R
12:45-1:30pm

NASA HISTORY: 60 YEARS OF DISCOVERY
Jim Porter, NASA Solar System Ambassador
2:15-3pm



ROC THE ECLIPSE 2024 FESTIVAL

DAY THREE Monday, April 8 | Totality

L3HARRIS STAGE

THE ISOTOPES
11:45am-12:30pm



NASA Astronaut Lee Morin & Representative Joe Morelle
1:15-1:55pm



COUNTDOWN TO TOTALITY
2-3:20pm

2:07pm Moon begins to cover the Sun
3:20pm Totality begins @ RMSC

DYLAN MARLOWE
Columbia Nashville Recording Artist
3:30ish Concert Begins
4:33pm Eclipse Ends for Rochester



KEYNOTE

BAUSCH AUDITORIUM & EISENHART AUDITORIUM

BALLET SOL
Rochester City Ballet
(Eisenhart Auditorium)
10-10:30am
&
11-11:30am

THE LAUGH OF TOTALITY (PG-13)
the Facts Machine Podcast
(Bausch Auditorium)
12:15-1pm

MUSEUM & SCIENCE CENTER

RMSC AFTER DARK: GALACTIC GETDOWN

ECLIPSE EDITION!

Featuring presentations from
Astronomy on Tap!

RMSC After Dark is a series of after-hours social events **for adults 21 and over** featuring full Museum & Science Center access, **cash bars, and food.**

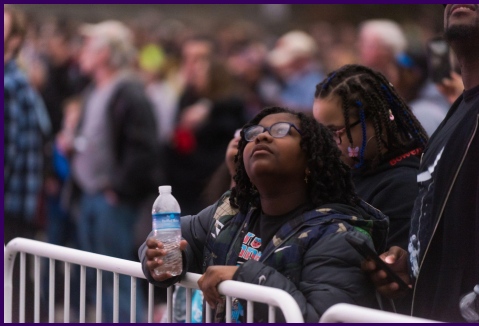
📍 Museum & Science Center & Strassenburgh Planetarium

📅 April 6, 2024 6:30 pm – 10:30 pm

🕒 6:30–10:30pm



Silent Disco in Planetarium



Who Was Involved in Planning

- Eclipse Dept (myself)
- Marketing & Communications
- Representatives from Education Department
- 2-3 Advancement Staff
- 2-3 Guest Services Staff (including gift shop)
- Hospitality
- Exhibits
- Planetarium
- President of RMSC
- Event production company (Gallo Events)



Sponsorship & Fundraising

- Plan a rough budget and iterate (went through 5+ versions)
 - \$300k+ for ROC the Eclipse
- Grants - County, City, State & Federal
 - Usually dedicated funding to support festivals in local governments
- 2 pager document with levels and goals to share with potential funders
- What can you throw a sponsors name on?
 - Hands-on activities
 - Stages & Speakers
 - Maps
 - Countdown Clocks
 - VIP events
 - Volunteers
- Benefits
 - VIP/Sponsor Event with keynote speaker and politicians
 - Parking
 - Stage time
 - Swag
- In-kind sponsorships (discounts on stages and AV)
- Tap into some of your current supporters and previous sponsors



HANDS ON SPONSOR



AV SPONSOR



EYE-HEALTH SPONSOR



COMMUNITY PARTNER



PRINT SPONSOR



ELECTRICITY THEATER & HANDS ON SPONSOR



HANDS ON SPONSOR



FESTIVAL SUPPORT PARTNER



CHALK SPONSOR



COUNTDOWN CLOCK SPONSOR



MAIN STAGE SPONSOR



ECLIPSE FIELD TRIPS SPONSOR



VOLUNTEER SPONSOR



HANDS ON SPONSOR



STICKER SPONSOR



ECLIPSE 2024! SHOW SPONSOR



HANDS ON SPONSOR



ENTERTAINMENT SPONSOR



ECLIPSE SUPPORT PARTNER



MAP SPONSOR



ECLIPSE GLASSES PARTNER



ENTERTAINMENT SPONSOR



HANDS-ON

Speakers/Performers

21 Speakers

- 8 From Local Colleges
- 2 Dance Performances
- 2 Comedy Shows
- 2 Musical Performances
- Multiple community partners
- Mix of science, history, and storytelling

4 Keynotes

- Took months to be able to book due to having funds in hand & going through agents (start 6-8+ months out)
- Create a short list of preferred speakers
- Map out sessions on spreadsheet

1 Stage Show - 1.5 hours leading into totality

- Write as much of it out!
- It's ok to have time when nothing is taking place on stage

- ASL Interpreters were at every performance (Spanish on the day of the eclipse)
- Dedicated Stage Managers & MCs for each stage
- Don't hold talks back to back between stages - build in down time

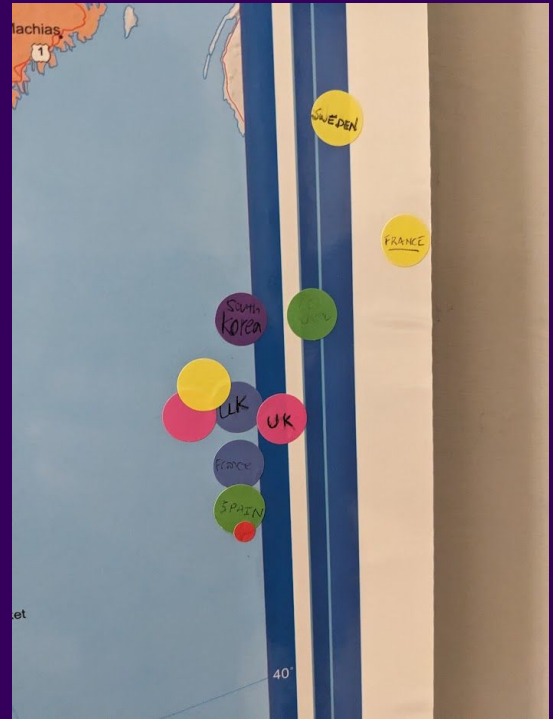
	A	B	C	D	E	F	G	H
Saturday	Eisenhart Auditorium (Main Stage)	Bausch Auditorium			Sunday	Eisenhart Auditorium	Bausch Auditorium	
10:30am-11:15am	Ask+Dance: Across the Universe Choreography by Thomas Heintzel Featuring dance students from the Rochester Institute of Technology Dance at RIT Program	Overline on Stage			10:30am-11:15am	The Search for Earth-Like Planets Matthew East, Ultrama Technologies	Overline on Stage	
11:15am-12:00pm	Overline on Stage	How can we find planets around other stars? Michael Richmond, RIT			11:15am-12:00pm	Overline on Stage	Frontiers of Plasma physics: origins of life, protecting life on Earth, and future of space exploration Eric Starobinski, Ph. D., Auburn University	
12:00pm-12:45pm	"NASA's Webb and Roman Telescopes: Light energy, dark energy, light matter, dark matter" Tory Whitman, L3Harris Technologies	Overline on Stage			12:00pm-12:45pm	Handshakes and the Eclipse Asha Narayan	Overline on Stage	
12:45pm-1:30pm	Overline on Stage	Pushing the Edge of the Cosmic Frontier with JWST Alyssa Karathomas, RIT			12:45pm-1:30pm	Overline on Stage	Galaxies & the Universe Katy Douglas, U of R	
1:30pm-2:15pm	Eclipse Across America: When the Moon Eats the Sun Phil Pad	Overline on Stage			1:30pm-2:15pm	Building the Geology of The Moon Gregory Scottlight	Overline on Stage	
2:15pm-3:00pm	Overline on Stage	We Live in a Plasma Universe David Schecter, State Music College			2:15pm-3:00pm	Overline on Stage	NASA History 60 Years of Discovery Jim Yano, NASA Solar System Ambassador	
3:00pm - 3:45pm	Overline on Stage	U of R - Adam Frank			3:45pm-4:30pm	Eclipse's Eclipse Matthew Stoney, WCU	Overline on Stage	
3:45pm-4:30pm	Totally Funny: What We Laugh About in The Shadows Comedy on Deck	Overline on Stage						
	Monday	Eisenhart Auditorium/Outdoor	Bausch Auditorium					
10:00am-10:30am			Ballot Sol Rochester City Ballet					
11:00am-11:30am	Overline on Stage		Ballot Sol Rochester City Ballet					
11:30am-12:00pm	Overline on Stage		Overline on Stage					
12:30pm-1:15pm	Overline on Stage		The Legend of Trinity PG-13 Ben Miller, Andrea Jones-Riley and the Frick Machine Podcast					
12:00pm-12:45pm	The Intropex		Overline on Stage					
1:15pm - 1:55 PM	NASA Astronomer Lea Martin & Representative Joe Moretti	Overline on Stage	Overline on Stage					Overline on Stage
2 PM - 3:30 PM	"Countdown to Totality" show - RMEC & Gov Officials							



Exhibitors & Hands-on Activities

- 32 Exhibitors - Mix of Community Organizations & Sponsors
 - Frequent partners from throughout the year
 - FIRST Robotics
 - Cosplayers
 - Libraries
 - College Clubs & Departments
 - On themed community groups
 - Artists (chalk, musicians)
 - Dedicated dark area for exhibitors that play with light
 - Be intentional!
- Internal Activities
 - NISENET Activities!
 - Showing off your strengths (maker labs, electricity experiments)
 - Don't stretch out your staff
- Spectacles
 - Community contributed art
 - Giant Eclipse Glasses
 - 10ft inflatable Suns with scale Earth/Moon
- Hands-on activities to capture data feedback

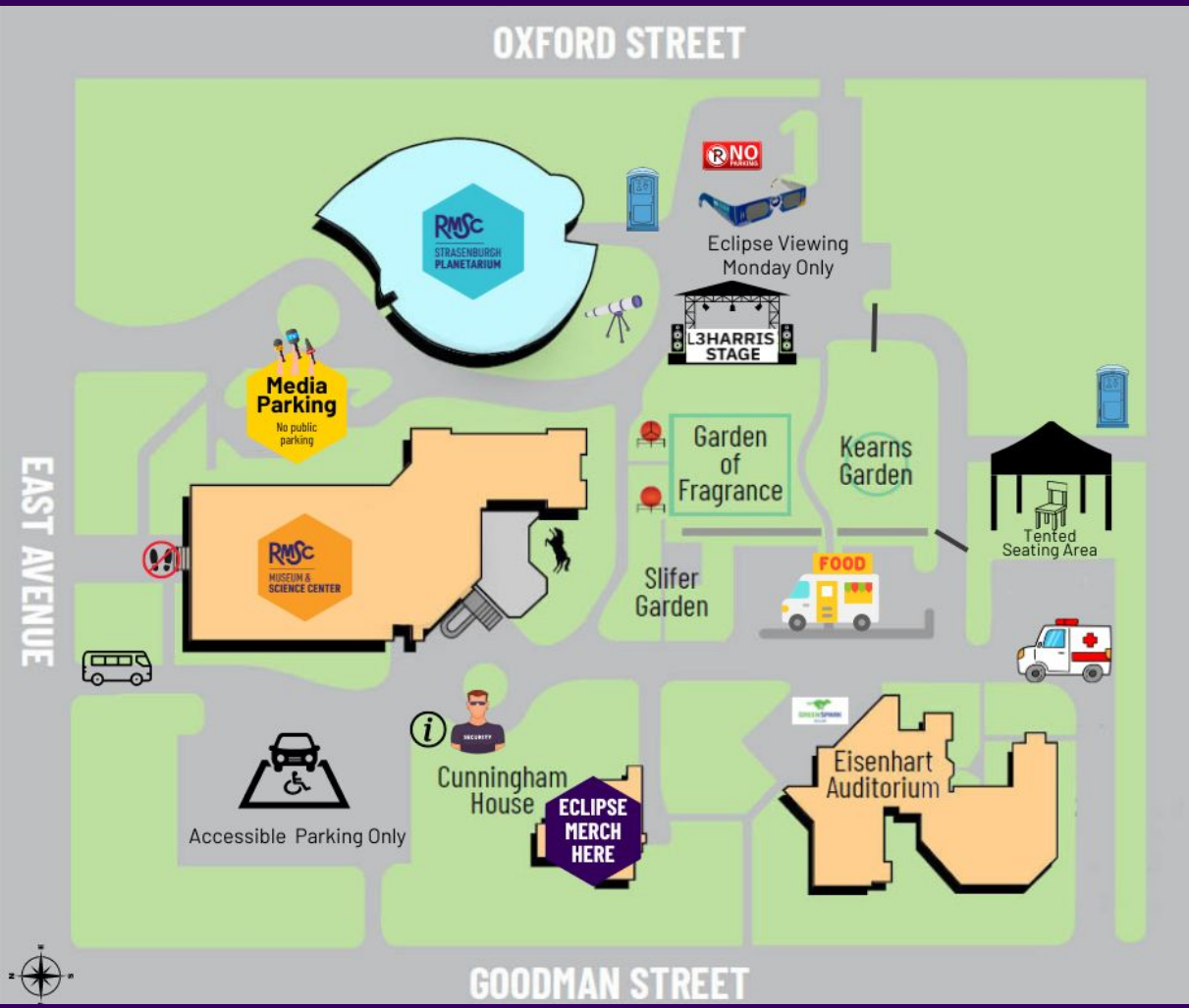




Mapping & Infrastructure

- Mapping
 - Use every space available
 - Think if you want to use
 - Info booths/exhibitor & volunteer check-in
 - Flow between museum exhibits and community exhibitors
 - Expect last minute changes and requests
 - Map where you have power
 - Plan for lines into museum and auditoriums
 - Members vs Online Tickets vs At the Door Tickets
 - Print maps? Or QR codes?
- Infrastructure
 - Perfect time to invest for long term at museum
 - Wifi - public or just staff/volunteers/exhibitors
 - Cell signal - expect it to be hit hard
 - Radios - do you need additional radios for staff
 - Food trucks and places to sit and eat
 - Accessibility
 - Security
 - Parking
 - Stanchions





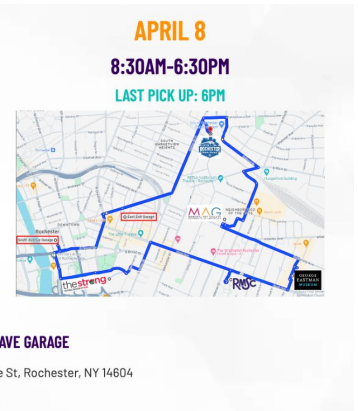
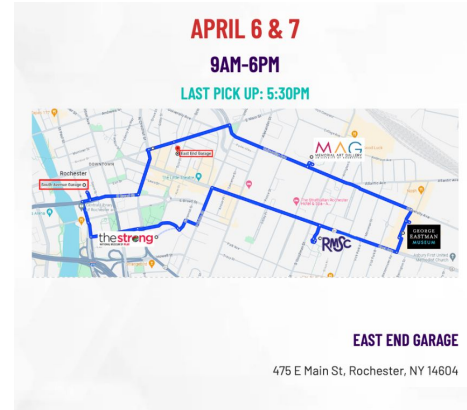
Volunteers

- 150+ Volunteers
 - Museum volunteers
 - Corporate volunteers
 - Student volunteers
 - New volunteers
- Incentives to sign up:
 - T-shirt
 - Eclipse Glasses
 - Admission for family to festival
 - Snacks & Water
- Dedicated area to leave their coats/bags
- Held 2 volunteer training sessions
 - Recorded and uploaded to YouTube for repeat watching



Parking & Transportation

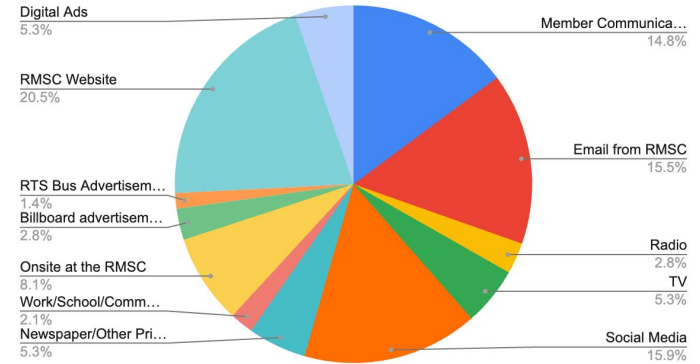
- You will need to find a place for everyone to park
 - Staff
 - Volunteers
 - Exhibitors & Sponsors
 - Accessible parking
 - Tour buses
 - General Parking
- Local partners & businesses for staff parking
- Shuttle system considerations
 - Parking garages
 - Partner with other events & museums
 - Signage!
 - How many buses do you run at any given time?
 - How often does the bus run?



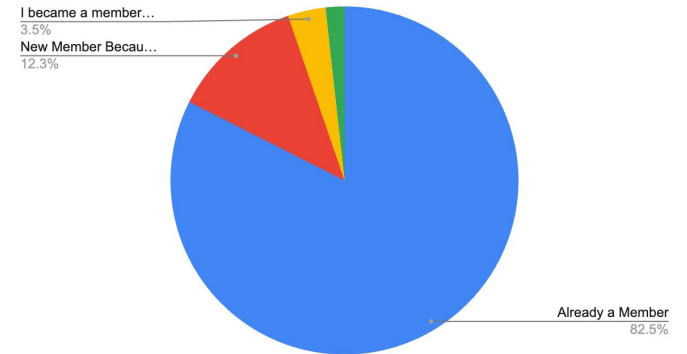
Evaluation

- Attendance
 - Ticket Sales
 - Members attending
 - New memberships created
- Press Hits
- Communities involved
- Post attendee survey two weeks after
 - Try and create ahead of time
- New partnerships created
- **You won't know full impact until years later**

How did you hear about the RMSC ROC the Eclipse Festival?



Are you an RMSC Member (including Pines Pass)?



Extra Details Go A Long Way

- Themed music in the background
- Decals in the bathroom with science facts
- Photo opportunities & photobooths
- Countdown clocks
- Banners at entrance
- Balloon arches
- Mascots
- Spectacle to welcome people in when opening doors
 - Drum Core
 - R2D2 or 501st (Star Wars Cosplayers)
 - Liquid nitrogen
 - Parade
 - Counting everyone down



Tips & Lessons Learned

- Things will go wrong - be prepared to pivot
 - Your first 1-2 hours will be firefighting
 - It will be a learning experience
- There is no such thing as too much signage
 - Maps
 - Stage Schedules
 - Bathrooms
 - Food trucks
- **Plan to give yourself and your staff a chance to catch your breath after the event**
 - Hold internal feedback session and find places to talk through your thoughts
- Integrate science everywhere
- Have backup weather plans
- FAQs for common questions
 - On website
 - Printed versions for guest services and front line staff
 - In email templates for quick responses



What We Didn't Cover

- Marketing & Promotions
- Branding
- Website Development
- Handling Press
- Digital Signage
- Ticketing, Multi-day Passes, Wristbands
- Requesting permits
 - Location and size dependent
- Cleaning up after the event
- Swag & Merch
- Scaling up materials
- Preparing your staff
 - Try and feed your staff if you can for at least 1 meal per day!
- Working with:
 - Government Officials
 - Government Departments
 - EMTs
 - Fire Departments
 - Emergency Management Services
 - DOT
 - Food trucks
 - Tent companies
 - Photographers & Videographers
 - Security companies

So here's an overheard conversation between 2 of the scientists there: one of the guys said... it was so great to just meet other scientists and talk science and sh*t. 😊. And I thought what a great venue for these guys to just talk to each other without having to lecture or read a paper they wrote. Just find each other by the food trucks and talk "science".

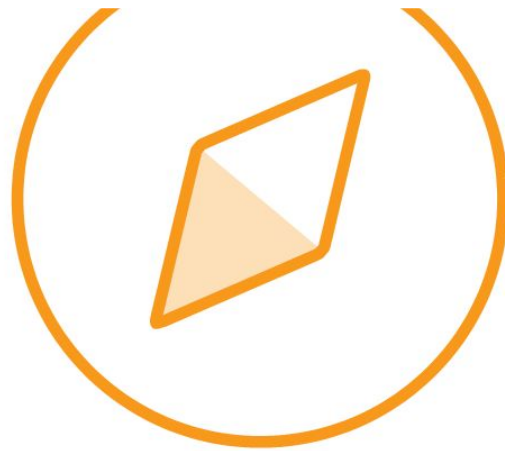
-Thank you note from attendee



COSI's Vision and Mission

**TO ENGAGE,
INSPIRE,
& TRANSFORM**

**lives and communities by being the best partner
in science, technology, and industry learning**



COSI 5.0

A STRATEGIC PLAN

2019-2024



OUR GOALS

1 establish **COSI** as a leader in **STEM LEARNING** with a local, state, & national impact



2 ensure long-term **ECONOMIC SUSTAINABILITY** for **COSI** & grow its organizational capacity

3 deliver a **FUN, EDUCATIONAL & TRANSFORMATIONAL COSI** experience, internally and externally

4 strengthen **COSI's ENGAGEMENT & defined PARTNERSHIPS** in the community

5 expand the **COSI** brand to include **DIVERSE AUDIENCES** of all ages & backgrounds



OUR PRIORITY INITIATIVES

1 Cultural Peninsula Destination **THE SCIOTO PENINSULA**



2 define & execute **COSI CORE VALUES**



3 **COSI** Science Festival



4 **COSI** expanded **ADULT ENGAGEMENT**



5 **THE PLATFORM** STEM pipeline



6 **COSI** ON WHEELS expanded



7 formalized professional **DEVELOPMENT & leadership TRAINING**



8 launch & execute comprehensive **DEVELOPMENT PLAN**



9 identify & enhance **EDUCATION PARTNERSHIPS**



10 **DIVERSITY / EDUCATION** **THE COLOR OF SCIENCE**



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1

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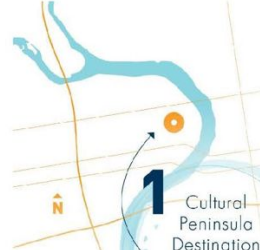
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OUR PRIORITY INITIATIVES

1 Cultural Peninsula Destination **THE SCIOTO PENINSULA**



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define & execute **COSI CORE STRATEGY**



3

COSI Science Festival



4

expanded **ADULT ENGAGEMENT**



5

THE PLATFORM STEM pipeline



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COSI ON WHEELS expanded



7

formalized professional **DEVELOPMENT & leadership TRAINING**



8

launch & execute comprehensive **DEVELOPMENT PLAN**



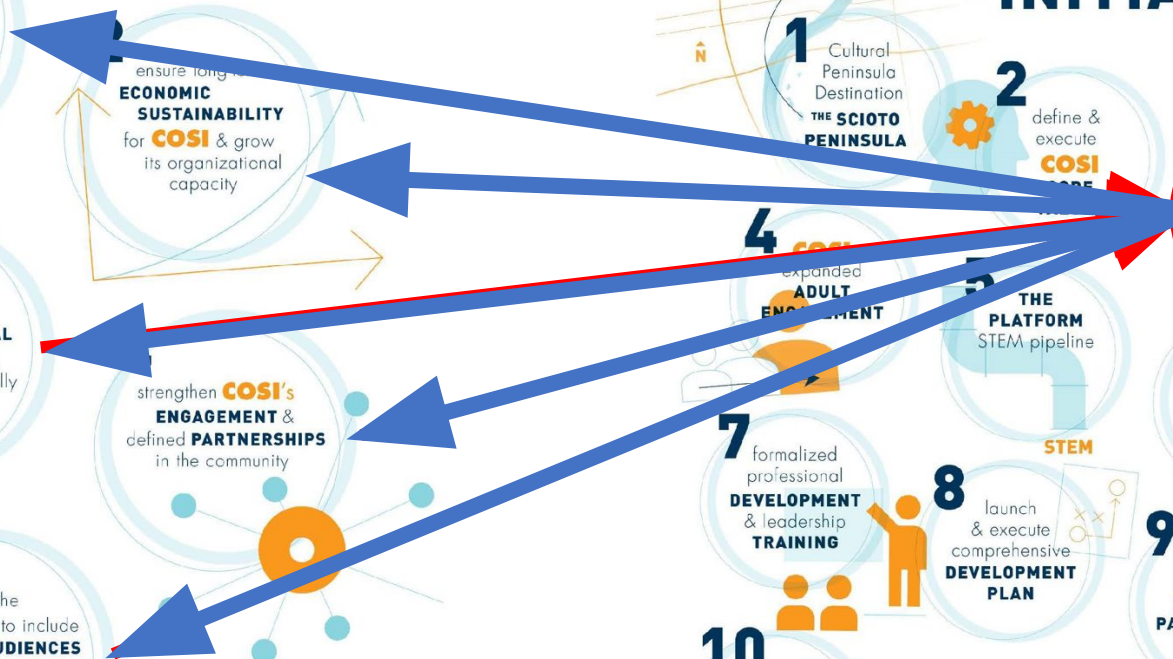
9

identify & enhance **EDUCATION PARTNERSHIPS**



10

DIVERSITY/ EDUCATION **THE COLOR OF SCIENCE**





SCIENCE

FESTIVAL

MAY 1 - 4, 2019



the largest

STEM

EVENT

in **OHIO's**
HISTORY

Unprecedented Community Collaboration



Partner Cities



CITY OF UPPER
ARLINGTON



City of Dublin



NEW ALBANY



CITY OF REYNOLDSBURG



CITY OF GAHANNA



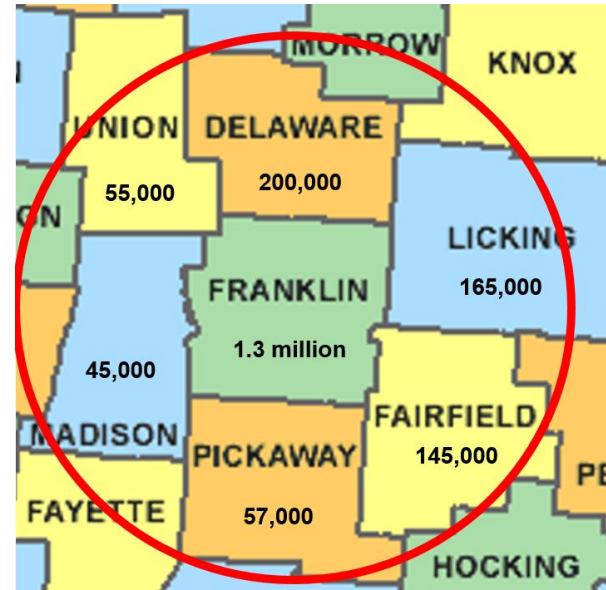
CITY OF
PICKERINGTON



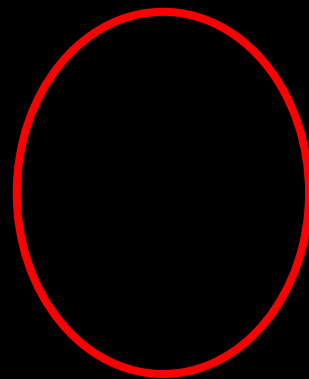
City of
WHITEHALL
Opportunity is Here

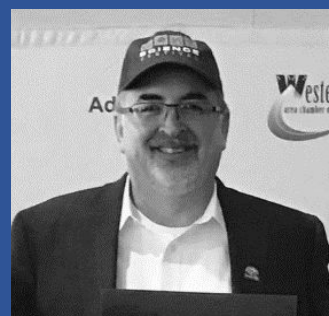
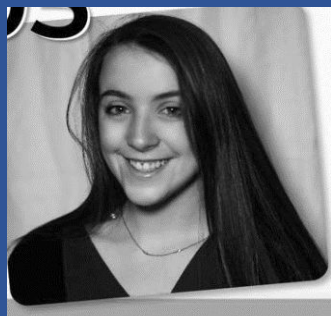
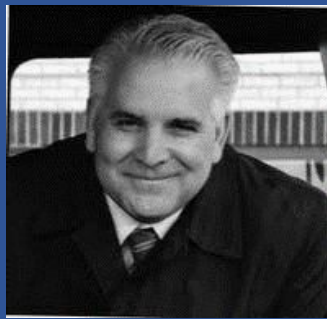


#COSISciFest | cosiscifest.org











DISCOVER
Grove City

MAY/JUNE 2019

The official magazine
of Grove City, Ohio

LOOK FOR
The Source
INSIDE

Custom Built

Justin Walls gives
antique bikes new life

Wine and Arts Festival
Cross-country bicycle trip
GCHS senior Jack Nance

MENU **10** TV WBNS CBS



New Albany grad named COSI STEM Star for helping others with prosthetics



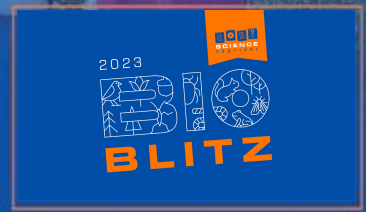
Science is Everywhere

The First 3 Days

Science Throughout
Our Communities



SCIENCE
FESTIVAL





Maker Mania on the Lawn at CAS

MAKER
mania

SAVE THE DATE!

May 4th, 2023
5pm-7pm

2540 Olentangy River Rd
Columbus, Ohio

SCIENCE
BLOCK
PARTY!

CAS

A division of the
American Chemical Society



THE
PAST FOUNDATION

SCIENCE
FESTIVAL

The Final Day

Saturday





LEGEND

- RESTROOMS
- FIRST AID
- INFORMATION
- PARKING
- FOOD & DRINK
- ATM
- BICYCLE LAGOON ZONE



GREEN AREA

- ABC 6
- Air Camp, Inc.
- Anomatic
- CAPITAL UNIVERSITY
 - Department of Education
 - Department of Nursing
 - Department of Environmental Science
- City of Whitehall
- Columbus Metropolitan Library
- Columbus State Community College
- Columbus Zoo and Aquarium
- Delaware Area Career Center, Public Relations Dept.
- Eastland-Fairfield Career & Technical Schools
- Folds of Honor Central Ohio
- Game-U
- Giant Eagle, Inc./ Giant Eagle Pharmacy
- Honda
- Lights Out Ohio
- Mix 107.9
- NASA
- Nestle Quality Assurance Center
- Ohio Department of Agriculture
- OhioHealth
- Otterbein University
- Telhu Credit Union
- The National Veterans Memorial and Museum
- Roto

ORANGE AREA

- American Chemical Society Columbus Section
- AstraZeneca Pharmaceuticals
- Battelle
- Cardinal Health
- CAS
- Columbus Academy
- Columbus and Franklin County Metro Parks
- DriveOhio
- EWI
- Form5 Prosthetics
- Huntington Bank
- Mid-Ohio Regional Planning Commission
- National Highway Traffic Safety Administration
- Nationwide Children's Hospital, Research Institute Trainee Association
- Ohio Department of Education
- Ohio History Connection
- PAST Foundation
- Smart Columbus
- The Breathing Association
- THE OHIO STATE UNIVERSITY
 - Center for Automotive Research
 - Center for Electron Microscopy and Analysis
 - College of Education and Human Ecology, Urban GEMS
 - College of Engineering
 - College of Nursing - Innovation Studio
 - College of Pharmacy Generation Rx Lab
 - Department of Anthropology
 - Department of Linguistics
 - Department of Materials Science and Engineering
 - Department of Mathematics
 - Department of Molecular Genetics
 - Department of Psychology
 - Fisher College of Business, Management Sciences
 - Friends of WBLT, The Amateur Radio Club
 - Infectious Diseases Institute
 - K-12 Engineering Outreach
 - Language Sciences Research Lab
 - Mobile Design Lab
 - OSU Extension, Franklin County
 - STEM Education in the Department of Teaching and Learning
 - WestFest Partners
 - Wexner Medical Center
 - Z-Lab Developmental Cognitive Neuroscience Lab
- Tolles Career & Technical Center
- Transportation Research Center Inc.
- Visit Grove City
- Westerville Community
- Worthington Industries

YELLOW AREA

- Animal Medical Center & Animal Care Center of Polaris CD102.5
- Columbus Blue Jackets
- Columbus GospelFest
- Corna Kokosing Construction Co.
- COTA
- Eiford, Inc.
- Franklin University
- Girl Scouts of Ohio's Heartland
- Huntington Learning Center - Gahanna/New Albany
- Korda/Nemeth Engineering
- Metro Schools
- Moody Nolan, Inc.
- Ohio Dominican University
- Ohio Technology and Engineering Educators Association
- OhioMeansJobs Columbus-Franklin County
- Priority Designs
- Screen Machine Industries/Crane Group
- TourismOhio

RED AREA

- AEP Ohio
 - Arnold SportsWorld Kids & Teens Expo
 - AT&T COSI Science Spots
 - bubly/G&J Pepsi
 - Columbus Museum of Art
 - Columbus Recreation and Parks Dept.
 - Columbus School for Girls
 - FIRST Robotics Team 677
 - DNV GL
 - Franklinton Board of Trade
 - KIPP Columbus
 - Mount Carmel Health System
 - National Ground Water Association
 - Groundwater Foundation
 - NBC4
- OHIO DEPT. OF NATURAL RESOURCES
 - Division of Forestry
 - Division of Parks/Watercraft
 - Division of Geological Survey
 - Division of Mineral Resources
 - Division of Oil and Gas
 - Division of Wildlife
 - Office of Scenic Rivers
 - Ohio Energy Project
 - PNC
 - Radio One
 - Upper Arlington FIRST Robotics Team - Bearbots #6964
 - Upper Arlington Public Library & City of Upper Arlington
 - WBNS 10TV
 - WOSU Public Media

FOOD & DRINK

- | | | |
|--------------------|--------------------------|------------|
| COSI Smokehouse | Hogback Bbq Pit | Mega Bites |
| COSI Carnival Food | Lemonade Stand | Food Truck |
| Dippin Dots | Little Ladies Soft Serve | Tortilla |

Big Crowds









2022 Impact Report

Reaching over 95,000 learners of all ages, the 2022 COSI Science Festival marked a triumphant return to in-person activities. Through four days of events spread throughout 19 Central Ohio communities, the 2022 festival transformed every corner of our region into a learning laboratory.



95,000+
people reached



2.6 million+
impressions



19
partner communities



Community Events

May 4 - May 6

Three days of community events immersed learners in all things science. From metro parks to malls to microbreweries, community-based events popped up in locations as diverse as their participants, proving that science is everywhere and for everyone.



10,000
people impacted



100
total events

topics included:

- Torch Glass Working
- Virtual Reality
- Ecology
- Aviation
- Meditation
- Macroinvertebrates
- Underwater Robotics



9,500
COSI
Learning Lunchboxes

In partnership with schools throughout 19 Central Ohio communities, COSI distributed 9,500 Learning Lunchboxes free of charge to under resourced learners during the festival.



STEM Stars

The COSI STEM Star initiative honors ordinary people doing extraordinary STEM work, highlighting the scientists that live among us and provide us with a deep connection to the community-wide spirit of the festival. STEM champions showcase exemplary work to leverage the power of science to improve the quality of life for us all, in Central Ohio and beyond.



2022 STEM Stars class:

- Dr. Erandi De Silva**, Co-Founder & SVP of Product Development at Forge Biologics
- Sumithra Vasu**, Associate Professor of Medicine, Stem Cell Therapy Lab, The Ohio State University Wexner Medical Center
- Representative Dr. Beth Liston**, Doctor, State Representative for Ohio House, District 21
- Jim Deprez**, Ididrod's 2022 Teacher on the Trail // Teacher at Hilliard City Schools
- Aniket Vardhan**, Senior Prototype Specialist for Priority Designs // Maker of The Musket V Twin Motorcycle



The BioBlitz gave everyone the opportunity to be a researcher. Using the iNaturalist platform, participants submitted photos of plants and animals in the wild, and all observations were made available to naturalists and researchers to better document Ohio's biodiversity and spark interest in the natural world.



BIO BLITZ



20,435
observations
through 2022
BioBlitz



2,287
different
species
documented



The Big Science Celebration featured over 100 exhibitors, as the streets and parks surrounding COSI were transformed into a neighborhood-wide science classroom. Booths in all directions offered dynamic experiments and demonstrations, hands-on activities, and interactive fun hosted by STEM professionals, researchers, and experts.



97 different
organizations
represented



25,000
attendees



103
exhibitor
booths

topics included:

- Aerospace
- Aromas
- Engineering
- Geology
- Horticulture
- Linguistics
- Pharmacy
- Robotics

“There were so many excited smiles through the masks!”

Carlos Gomez
Community Outreach Specialist,
NASA Glenn Research Center

“It was such a great way to connect the work of our company to the mission of COSI and giving back to the community.”

Placeholder Name
Placeholder Job Title, Bath and
Body Works

“The COSI Science Festival gave the Franklin County Recorder’s Office a wonderful opportunity to show off the “Science of Record Keeping” to our friends and neighbors in the Central Ohio community.”

Franklin County Recorder’s Office

join us
next year
May 3-6
2023



2022 CSF sponsors:

VISIONARY SPONSOR



PRESENTING SPONSOR



SUPPORTING SPONSORS



OUR HOSTING SPONSORS



BIG SCIENCE CELEBRATION SPONSORS



PRESENTING MEDIA PARTNERS



CONFERRING MEDIA PARTNERS



BIG SCIENCE CELEBRATION
SHE PARTNER



PERFORMING
ARTS PARTNER



PRESENTING
TRAVEL PARTNER



BIG SCIENCE CELEBRATION
VOLUNTEER PARTNER



LOOKING BACK AT THE 2017 TOTAL SOLAR ECLIPSE



THE LAST TOTAL SOLAR
ECLIPSE TO BE VISIBLE IN THE
U.S. HAPPENED IN 2017. A
LOOK BACK AT THE BIG EVENT
AS IT SWEEPED THROUGH STATES
FROM COAST TO COAST.

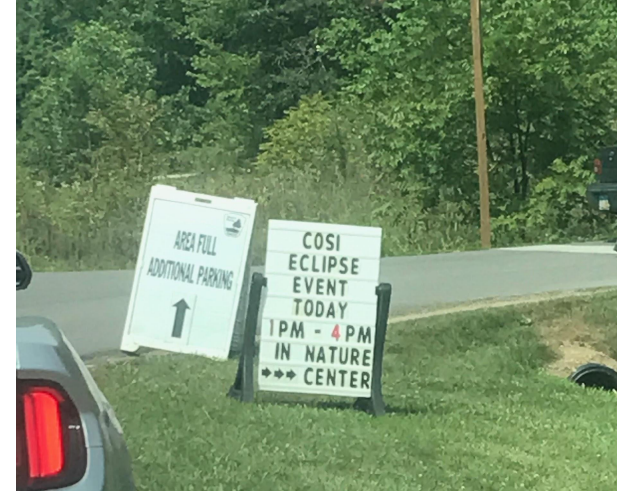


2:00 PM EST



2:30 PM EST







Enter for your chance to win

COSI SOLAR ECLIPSE GLASSES

[CLICK HERE](#) to enter!

The **COSI**
Solar Eclipse
Experience
2024





DRIN3

ECLIPSE

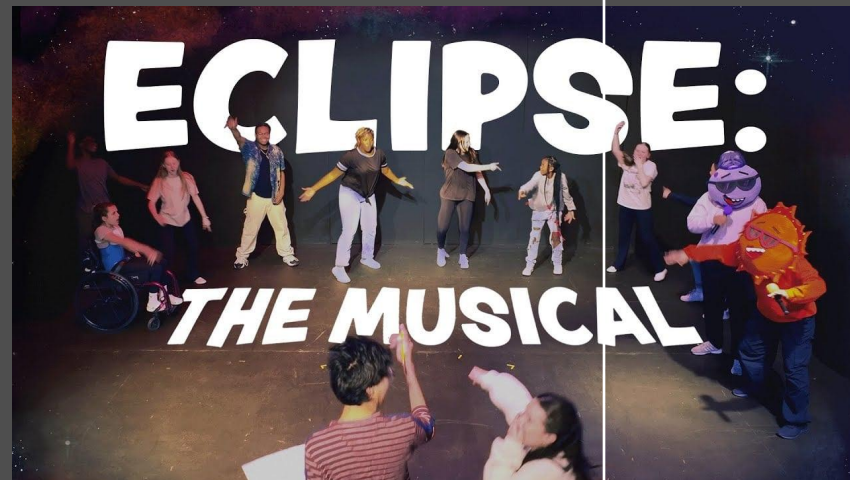
3:33

ECLIPSE: THE MUSICAL



ECLIPSE:

THE MUSICAL







Over nine months, Team COSI established a STEAM Eclipse Blitz approach by working together with partners onsite, offsite and online to deliver on its ethos that science is everywhere and for everyone around the 2024 Great American Eclipse. This One Team approach leveraged the power of partnerships to engage, inspire, and transform hundreds of thousands of people. This is our collective impact story.

Total Impacts Across All COSI Solar Eclipse Activations

- 689,650+** People Impacted Across 3 States and all 68 Counties in Ohio
- 150,000** Eclipse Glasses Distributed
- 52,000** Learning Lunchboxes Distributed
- 20+** Organizational Partners

Eclipse-Themed Products Created by COSI

<p>COSI Solar Learning Lunchbox Kit</p>	<p>Dr. B in 3 14,183 Total Views</p>	<p>Color of Science Passport</p>
<p>Eclipse Content 6,162 Views Across 20 New Pages</p>	<p>Eclipse: The Musical 260,047 Total Views</p>	<p>COSI Solar Eclipse Glasses</p>

Locations of all COSI Solar Eclipse Activations



COSI ECLIPSE EXPERIENCE AT COSI!

- 3,500** People Impacted
 - 3,000** Eclipse Glasses Distributed
 - 2,250** Learning Lunchboxes Distributed
- On April 8 from 1:00pm - 4:00pm, COSI offered the public hands-on educational STEAM demonstrations and activities, a live stream of the eclipse in total, free solar eclipse glasses and STEAM kits, and more.



COSI & Land Grant Eclipse Party!

- 3,000** People Impacted
 - 1,500** Eclipse Glasses Distributed
 - 200** Learning Lunchboxes Distributed
- On April 8 from 12:00 pm to 4:00 pm this family friendly event allowed guests to enjoy hands-on demos from COSI and access to Gravity Park at Land Grant.



COSI & Columbus Metropolitan Library Solar Eclipse Watch Party!

- 1,000** People Impacted
 - 1,000** Eclipse Glasses Distributed
 - 5,000** Learning Lunchboxes Distributed
- On April 8 from 1:00 PM - 4:40 PM, youth and families engaged with hands-on science activities and storytelling around space and the eclipse.



2024 Total Eclipse Event with NASA at the Indianapolis Speedway, Presented by Purdue University!

- 50,000+** People Impacted
 - 1,500** Eclipse Glasses Distributed
 - 1,000** Learning Lunchboxes Distributed
- On April 8, COSI and NASA attended the Indianapolis Motor Speedway for live hands-on activities, a live NASA broadcast, and experts answering questions about the total solar eclipse!



Main Street Delaware First Friday - The Space to Be!

- 4,000** People Impacted
 - 1,000** Eclipse Glasses Distributed
 - 500** Learning Lunchboxes Distributed
- On April 5 from 6:00pm - 9:00pm, at Delaware's Main Street First Friday, COSI focused on the upcoming eclipse with space-themed activities and games for children and families.



Celebrating the Great American Eclipse and Ohio's State Parks: A Day of Discovery, Wonder, and Science!

- 6,500** People Impacted
 - 1,650** Eclipse Glasses Distributed
 - 2,000** Learning Lunchboxes Distributed
- On April 8, the Ohio Department of Natural Resources, COSI, and other partners provided interactive, hands-on science activities during this celestial event at Indian Lake Park and Healdland Beach!



Total Eclipse Fest at the Great Lakes Science Center!

- 37,000** People Impacted
 - 500** Eclipse Glasses Distributed
 - 0** Learning Lunchboxes Distributed
- On April 8, COSI collaborated with the Great Lakes Science Center and NASA Glenn Research Center for Total Eclipse Fest 2024. This free outdoor celestial celebration was a family-friendly science and arts festival featuring food vendors, entertainment, and activities.

COSI Solar Eclipse Website

COSI Eclipse Experience
1,872 Views


Engage with Kids
727 Views


Other Eclipse Events
1,042 Views


The Science of a Solar Eclipse
537 Views

Sessions: 23,078
Users: 12,148

**Columbus Zoo and Aquarium
Solar Eclipse SOLAR-ation**

 **7,271**
People Impacted


 **750**
Eclipse Glasses
Distributed


 **500**
Learning Lunchboxes
Distributed


On April 8, guests of the Zoo experienced the wonder of the solar eclipse and explored the science behind wild life research!



OhioHealth Distribution to 10 Locations

 **10,000+**
People Impacted

 **10,000**
Eclipse Glasses
Distributed

 **0**
Learning Lunchboxes
Distributed

On April 3, COSI prepared 10+ OhioHealth locations with eclipse glasses and kits while activating on site at a leadership event.

Easter Egg Roll at the White House

 **40,000**
People Impacted

 **12,500**
Eclipse Glasses
Distributed

 **10,000**
Learning Lunchboxes
Distributed

On April 1, COSI engaged with youth and families at the White House Easter Egg Roll!



**The Great North American Eclipse at the
Armstrong Air & Space Museum**

 **175**
People Impacted


 **0**
Eclipse Glasses
Distributed


 **0**
Learning Lunchboxes
Distributed


On April 8, COSI engaged with guests at the Armstrong Museum in Wapakoneta, Ohio.

 Prior to the Eclipse Events, COSI distributed 115,700 Eclipse Glasses and 29,600 Learning Lunchboxes to families around the state of Ohio and beyond. 

Double Eagle Golf Club

 **50**
People Impacted

 **50**
Eclipse Glasses
Distributed


 **0**
Learning Lunchboxes
Distributed


On April 8, COSI Community Board members, club members, and staff experienced the eclipse with COSI!



Blue Origin Club for the Future

 **260**
People Impacted

 **150**
Eclipse Glasses
Distributed

 **250**
Learning Lunchboxes
Distributed

COSI partnered with Blue Origin Club for the Future to provide Solar Learning Lunchboxes to 5th grade students.



Under the Sun Solar Eclipse Program


 **500+**
People Impacted


 **500**
Eclipse Glasses
Distributed


 **500**
Learning Lunchboxes
Distributed

On April 6, COSI partnered with The Works in Newark, OH to provide hands-on activities in preparation for the eclipse!

Heritage Baseball Museum at League Park

 **200**
People Impacted

 **200**
Eclipse Glasses
Distributed

 **200**
Learning Lunchboxes
Distributed

On April 8, COSI engaged with guests for a spectacular Solar Eclipse Viewing Party, where the convergence of celestial wonder and America's favorite pastime created an unforgettable experience!





ENGAGE

COSI

TRANSFORM

INSPIRE

Thank you!

NISE Network Resources:

- Big STEM Celebrations: nisenet.org/big-celebrations
- Calendar of STEM events throughout the year: nisenet.org/seasons
- Event planning and promotional guides for different topics: nisenet.org/educators
- Workshop Recording - Safety Tips & Reminders for Museums Running Public Events: nisenet.org/catalog/online-workshop-recording-be-prepared-safety-tips-and-reminders-museums-running-public
- Chemistry Safety Guide: nisenet.org/catalog/explore-science-lets-do-chemistry-safety-guide
- Finding experts for events: nisenet.org/working-with-experts
- Community Partnerships Collaboration Guide: nisenet.org/collaboration-guide
- Tips Sheets for guest speakers, volunteers: nisenet.org/tips-sheets



Resources & Opportunities



Learn more and access the NISE Network's online digital resources:
nisenet.org/browse-topic



Read our monthly newsletter
nisenet.org/newsletter



Past Recordings of Online Workshops
nisenet.org/online-workshop-recordings-list

Follow NISE Net on social networking
nisenet.org/social



Next Online Workshop...

Making Waves with Radio - Resource Roundup

August 20, 2024

2pm-3pm Eastern / 11am-12pm Pacific

**Engaging Hispanic/Latinx Communities -
Forming Community Partnerships & the
Co-creation Process (Part 1)**

September 10, 2024

2pm-3pm Eastern / 11am-12pm Pacific

**Engaging Hispanic/Latinx Communities -
Resources for Public Engagement (Part 2)**

October 8, 2024

2pm-3pm Eastern / 11am-12pm Pacific

nisenet.org/events



Thank you!



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Support from Rob and Melani Walton Foundation: *Sustainability in Science and Technology Museums*.



Support from The Kavli Foundation: *Changing Brains*.



Support from Dana Foundation: *Barbara Gill Civic Science Fellowship*.

Q&A

**Use the raise hand
feature or type your
question into the chat**

