

Virtual Programming with Community Partners

(Compiled by WCSD Redfield Community Outreach @ 1-6-21)

While these Partners offering virtual live streaming as part of their programming have Independent Contractor Agreements (ICAs) completed with WCSD, Schools must request and complete an ICA from the WCSD Business Office when scheduling either free or priced programs at least two weeks prior to programming. You are also encouraged to follow these partners on social media to take advantage of new programs and opportunities that may not be listed here.

Arts

- **Arts for All Nevada (ICA complete)**
 - Art Workshop Videos (pre-recorded)
 - Available for Distance Learning as well as at individual school sites
 - Cost: \$50.00/workshop for up to 30 students (does not include art supplies – lessons are designed to use basic art materials – a list of materials will be provided prior to the video release to the teacher or parent).
 - ZOOM Art Workshops
 - Live art lessons delivered via ZOOM.
 - Cost: \$50.00/workshop for up to 30 students (does not include art supplies – lessons are designed to use basic art materials - list of materials will be provided prior to the scheduled lesson).
 - Artist Residency Program
 - For students receiving special education services in a self-contained classroom
 - Choice of discipline for a minimum of 5 hours of arts instruction for a maximum of 15 students. Choice of visual art, creative movement, music or acting.
 - Cost: First 5 hours FREE, additional hours at \$50/workshop
 - For more information go to www.artsforallnevada.org and click on the “Art Programs in the Classroom” box at the bottom of the home page or:
<https://www.artsforallnevada.org/opportunities-for-persons-with-disabilities/links/teachers-resources/>
 - Contact: Eva Lerud, eva@artsforallnevada.org
- **Holland Project (No Virtual Streaming - ICA Not Necessary)**
 - Curated art projects (includes printed instructions and pre-recorded video tutorials) with individual art supplies provided for each student
 - Art projects include: still life painting and drawing; hanging mobiles; personalized pennant flags; paper puppets; collage; flip book animation & pocket zines/comics.
 - Projects can be done in the classroom or in full distance learning format.
 - Projects vary in length of time to complete from 1-2 hours
 - Projects geared toward students in grades: 3-6
 - Cost: \$10-\$15/student (depending on project).
 - Contact: Alisha Funkhouser, alisha@hollandreno.org

- **Nevada Museum of Art (ICA Complete)**
 - Virtual (via Zoom), live, interactive museum “tours”, banded by grade level (exact standards available)
 - Tuesday-Friday, 10:00-12:00; 60 minutes max for ES students
 - Cost: FREE
 - Contact Jacque Dawson, jacque.dawson@nevadaart.org

- **Sierra Arts Foundation (ICA Complete)**
 - Arts Instruction & Art Appreciation Video Series
 - Series of age appropriate arts instruction and art appreciation videos for classroom teachers to use with their students
 - Videos are 10 to 20 minutes in length
 - Each video accompanied by an ArtsEd Lesson Reference Guide containing the primary learning objective, art terms and vocabulary, required materials
 - Art Instruction
 - Disciplines: Literary, Movement, Music, Theatre, Visual Art
 - Art Instruction videos available beginning in November
 - Art Appreciation - The Science of Art Making
 - Disciplines: Literary, Movement, Music, Theatre, Visual, and Digital Art
 - Art Appreciation videos available beginning in January
 - Cost for Video Series: (available upon request, see contact below.)
 - Contact for all programs: Tia Flores, tia@sierraarts.org

Civics / Government / Social Studies

- **Reno Justice Court “Kid’s Court” (ICA Complete)**
 - Judge Pearson will interact virtually with 5th grade classrooms to discuss his role and the Reno Justice Court, as well as answer questions. Each session will be about 45 minutes long. The script for the mock trial (BB Wolf v. Curly Pig) is available online for teachers to do on their own.
 - Available Tuesday-Thursday 11:30-1:30
 - Cost: FREE
 - Contact: Danielle Woodard at RJCKidsCourt@washoecounty.us

- **Nevada Historical Society Museum (No Virtual Streaming - ICA Not Necessary)**
 - Recorded talks for Artown currently on website under Education
<https://www.nvhistoricalsociety.org/flyers/>
 - For 4th grade and middle school students
 - Cost: FREE
 - Contact: Sheryln Hayes-Zorn, SHayesZorn@nevadaculture.org

Financial Literacy

- **Junior Achievement (ICA Complete)**

- Programs can be delivered in two ways:
 - Pre-recorded videos, with lesson highlights and career expertise
 - Virtual workshops speaking live to classroom, with mock interviews, lesson highlights and career expertise
- Aligned with JA curriculum by grade, please see website for more details:
<https://www.juniorachievement.org/web/ja-northernnevada>
- Teacher can choose number of workshops
- Cost: FREE
- Contact: Kristin Reagan, kristin.reagan@ja.org

Language Arts

- **Lake Tahoe Shakespeare InterACT (ICA Complete)**

- Pre-recorded in-studio performances
 - Topics include:
 - Quigong (mindful breathing and movement exercises)
 - Shakespeare Introduction
 - Shakespearean Text (Iambic Pentameter)
 - Analyzing Text: A Guide
 - Speaking Text: A Guide
 - Body Language
 - Imagination
 - Emotion
 - Accompanying handouts and practical exercises included
- Workshops on Storytelling, Public Speaking, and specific Shakespeare plays
 - Zoomed live if possible
 - Can be customized for individual teachers' requests
 - Work with entire class and broken into smaller student groups
- Cost: \$25/hour for one presenter, weeklong pricing different
- Contact: Joe Atack, joe@tahoebard.com

- **PBS Reno (ICA Complete)**

- Ready-to-Learn Workshops
 - 2 workshops available per quarter
 - Workshops will be delivered virtually by facilitator
 - Materials delivered prior to workshops
- Reading Buddies
 - 2 versions available: 10 week “Martha Speaks” or 5-week “Arthur” with SEL focus
- Cost: FREE
- Contact: Joy Foremaster, jforemaster@pbsreno.org

Science, STEM & STEAM

- **Challenger Learning Center - Virtual “Missions” (ICA Complete)**

- Mars Mission
 - Students analyze data from rovers or small robots on the two moons of Mars – Deimos and Phobos – to decide which moon is better for a base. Students work together to fix issues with rovers/robots collecting data
 - Prequel to Expedition to Mars
 - NGSS alignment for 5-6th grade
 - Optional pre- and post-mission activities
 - 45 minutes to one hour
- Mission to Europa
 - Students perform vital research, analysis and problem solve their way as a team through this mission to send an astronaut to Europa. One of Jupiter’s moons, it is an object of intense interest to scientists who believe that a layer of liquid water exists beneath Europa’s surface which could conceivably harbor extraterrestrial life. Can the students keep the astronaut alive and healthy, and help the adventurer build the probe needed to search for life?
- Cost: \$150/class
- Can accommodate one class of students at a time working with a Flight Director who will be on location in Challenger simulators based at the National Automobile Museum.
- Contact: Please email flightdirectorjenny@gmail.com to schedule

- **DRI / Science Alive (No Virtual Streaming - ICA Not Necessary)**
 - A limited inventory of **Green Boxes** is available for check out to schools that are open in a full or hybrid capacity. COVID-10 guidelines include a 72-hour quarantine for all Green Boxes arriving at DRI, staff will be wearing masks at all times, and diligent hand washing before and after handling individual Green Boxes.
 - Current checkout is **open**: visit their [website](#) or click [here](#) to rent!
 - Teaching virtually? Don't worry! Virtual versions of Green Box and STEM Kit content are on the way! Current online offerings can be found on their [website](#). Watch for their newsletter and Facebook for more details!
 - Cost: FREE
 - Contact: Mackenzie Peterson, Mackenzie.Peterson@dri.edu or Chelsea Ontiveros Chelsea.Ontiveros@dri.edu

- **Envirolution (ICA Complete)**
 - **Virtual Career Quest** is available for students from 4th through 12th grade. This is a collaborative program that connects businesses to their future workforce by exploring workplace STEAM and sustainability through a hands-on activity and tour of the company. Students are able to explore local businesses with tours, hear from STEAM professionals about their journey, about the mission of the company and engage in educational hands-on activities. Envirolution is currently working with Tesla and other local businesses to do interactive virtual tours.
 - **Virtual STEAM guest speakers**
Envirolution is working with **STEAM guest speakers** on making virtual interactive presentations for 4th through 12th grade classrooms. Some presentations may be pre-recorded and some will be live, but all will be interactive and educational for the students. STEAM guest speakers range from different topics like electric vehicles to solar to composting.
 - Cost: FREE
 - Contact: Aimee Frugoli @ aimee.frugoli@envirolution.org

- **Fleischmann Planetarium (ICA Complete)**
 - Virtual Field Trip / Live Online Programs •
 - Constellations and Night Skies of Nevada
 - Discovering the Sun, Moon & Earth / Eclipses, Seasons & Phases of the Moon
 - Exploring the Planets / Solar System
 - Habitat Earth / Biomes, Food Webs and Water Cycle
 - Cost: \$50 per program for up to 40 participants
 - Cinema Learning Challenge
 - Science-based movies, live online presentation & hands-on activities
 - Secure real-time streaming to individual homes and/or classrooms
 - Mysteries of Egypt / Science, History & Art
 - Space Next / Space Exploration
 - Touch the Stars / Solar System Exploration
 - Cost: \$300 Virtual Field Trip for 30 students (\$10 per student)
 - Star Walker Science Program for students or teachers
 - Yearlong remote access to Slooh’s world-class robotically-operated telescopes
 - National Science Foundation-funded content with digital badge challenges
 - Accessed from smartphone, tablet or computer
 - a “pod” of 5 Memberships for \$200 or “pod” of 20 Memberships for \$500
 - See www.unr.edu/planetarium and click on Star Walkers Club for more info about Slooh.
 - Cost for membership: \$50 / year
 - Contact: Paul McFarlane at Planetarium@unr.edu to arrange a custom presentation or schedule a program

- **Great Basin Institute/Great Basin Outdoor School/Truckee Meadows Parks Foundation (No Virtual Streaming - ICA Not Necessary)**
 - Resources designed with teachers in mind to support both distance and in-person learners, created by a collaboration between local environmental educators
 - Programs follow Next Generation Science and Common Core standards.
 - Each program comes with 3 resources: a pre-lesson component (educational video, PPT, story, or activity that orients the learner to the concepts), the lesson itself, and a post-lesson component (which serves as a homework assignment or cool-down activity to wrap-up student learning and assist in measuring student comprehension).
 - Cost: FREE
 - Access at <https://www.galenacreekvisitorcenter.org/alternative-field-studies.html>
 - Contact: Laura Azzarello, Visitor Center Outreach and Education Coordinator, Great Basin Institute, lazzarello@thegreatbasininstitute.org or 775-849-4948

- **Elementary School Programs**

- ***Reptiles of Nevada***

This program will introduce students to some of the native reptile species we have here in Nevada. Students will learn about Reptilian classification, and adaptations that help them to survive in their environment. By learning about these different species, students will begin to understand concepts regarding biodiversity, evolution, and ecological niches. This program is appropriate for **K-2nd grade** students and covers the following Next Generation Science Standards: **K-ESS3-1, K-LS1-1, 2-LS4-1.**

- ***Out of this World - Lunar Phases***

This program introduces students to the lunar cycle. By discussing patterns in the night sky based on their own experiences, students will learn the different phases of the moon and how what we observe is a product of our perspective. Student scientists then put their knowledge to the test by making models of the lunar cycle and experimenting with light and perspective. This program is designed for **K-2 grade** students and covers the following Next Generation Science Standards: **1-ESS1-1, K-2-ETS1-2, and 1-PS4-2.**

- ***Metamorphosis***

This program reveals the fascinating journey of metamorphosis. Students will begin by learning the difference between complete and incomplete metamorphosis, the various stages of metamorphosis, and the types of organisms that metamorphose. They will put their skills to the test by classifying organisms based on their process of metamorphosis, as well as drawing out the stages of metamorphosis for different animals. This program is appropriate for **3rd-5th grade** students and covers the following Next Generation Science Standards: **1-LS3-1 & 3-LS1-1.**

Hydrology

This program is designed to teach students about the importance of water quality and water quality assessment in aquatic ecosystems. Students will be given data from a local creek and pond and will utilize said data to analyze the health of each aquatic ecosystem and compare and contrast results. Scientific metrics analyzed include Dissolved Oxygen, pH, Temperature, Water Clarity, and Biotic Index. This program is appropriate for **3rd-5th grade** students and covers the following Next Generation Science Standards: **3-LSA-3**.

Birds and their Adaptations

This program is designed to teach students the evolution of birds and their unique adaptations, with particular emphasis on birds local to the Sierra Nevada Forest and Great Basin Desert ecosystems. Students will be given a chance to observe birds in their natural outdoor settings via a pre-lesson video, explore the evolutionary path from dinosaurs to common-day birds, and consider the form and function of different bird's adaptations. This program is appropriate for **3rd-5th grade** students and covers the following Next Generation Science Standards: **3-LS4-4, 4-LS1, 5-ESS2**.

The Flow of Energy through an Ecosystem

This program is designed to teach students about the intricate and complex path that energy takes within an ecosystem. Students will consider where all energy comes from by determining and drawing the path of energy taken by their own favorite foods. They will consider the relationships of different organisms within a food web, and even participate in an energy relay race to see how energy is obtained and processed differently by producers, consumers, and decomposers. This program is appropriate for **3rd-5th grade** students and covers the following Next Generation Science Standards: **5-LS2-1**.

Upper Elementary and Middle School Programs

Snow Science Series - Albedo and the Global Ice Pack

This program is a part of the Snow Science collection which introduces students to phases of the water cycle, the different types of snow and ice, and the geometry of snowflakes. Students will explore different subjects including life science, physics, chemistry, math, art, reading, and writing, through the phenomenon of winter weather.

In this program, students will learn about how climate change affects ice and albedo through studying real climate data. This program is appropriate for **4th-8th grade** students and covers the following Next Generation Science Standards: **MS-PS3-4 & MS-ESS2-2**.

Snow Science Series - Climate Change Activism

This program is a part of the Snow Science collection which introduces students to phases of the water cycle, the different types of snow and ice, and the geometry of snowflakes. Students will explore different subjects including life science, physics, chemistry, math, art, reading, and writing, through the phenomenon of winter weather.

In this program, students will become eco-warriors and create activism materials in the form of signs and speeches, a letter to a politician, or a plan for making their classroom or home use fewer fossil fuels and plastics. This program is appropriate for **4th-8th grade** students and covers the following Next Generation Science Standards: **MS-ESS3-5, MS-ESS2-2, MS-ESS3-1.**

Snow Science Series - Snowflakes

This program is a part of the Snow Science collection which introduces students to phases of the water cycle, the different types of snow and ice, and the geometry of snowflakes. Students will explore different subjects including life science, physics, chemistry, math, art, reading, and writing, through the phenomenon of winter weather.

In this program, students will learn about the radial symmetry of snowflakes and use their skills to design their own. This program is appropriate for **4th-8th grade** students and covers the following Next Generation Science Standards: **MS-PS1-1 & MS-ESS2-5.**

Snow Science Series - Winter Adaptations

This program is a part of the Snow Science collection which introduces students to phases of the water cycle, the different types of snow and ice, and the geometry of snowflakes. Students will explore different subjects including life science, physics, chemistry, math, art, reading, and writing, through the phenomenon of winter weather.

In this program, students will learn about animal adaptations and put their skills to the test by identifying winter adaptations of various species. This program is appropriate for **4th-8th grade** students and covers the following Next Generation Science Standards: **MS-LS4-4.**

Snow Science Series - Snow and Ice

This program is a part of the Snow Science collection which introduces students to phases of the water cycle, the different types of snow and ice, and the geometry of snowflakes. Students will explore different subjects including life science, physics, chemistry, math, art, reading, and writing, through the phenomenon of winter weather.

In this program, students will learn about the molecular structure of water and ice crystals in order to construct an accurate model. They will learn the differences in density between water and ice and will use their scientific skills to hypothesize the answer to various comprehension questions. This program is appropriate for **4th-8th grade** students and covers the following Next Generation Science Standards: **MS-PS1-1, MS-PS1-4, MS-PS3-4, MS-ESS2-5.**

Animal Migrations

This program illuminates the amazing lives of migratory animals. Students will decide where various animals spend their summers and winters based on each animal's attributes. Students will then provide solutions to various problems caused by human activity. Finally, students will build their own compass to understand how animals use the Earth's magnetic field to navigate around the globe. This program is appropriate for **6th-8th** grade students and covers the following Next Generation Science Standards: **MS-LS2.1, MS-LS1-4, MS-LS1-5, MS-ESS3-3.**

- **Keep Truckee Meadows Beautiful-KTMB (ICA Complete)**
 - “Waste Warriors” Program - grades 3-5 (can be adapted)
 - Introduces students to the waste stream and demonstrates how they can create a positive change in their community.
 - Curriculum includes a dynamic video, lesson plans aligned with NGSS.
 - Curriculum available through [KTMB](#) (download) and [Desert Research Institute's Green Box program](#)
 - Virtual presentations can also be scheduled at [KTMB](#)
 - “Weed Warriors” Program - grades 4-6 (can be adapted)
 - Introduces invasive and noxious weeds and teaches them why they are destructive to our habitat and economy.
 - Curriculum developed by KTMB, [Nevada Department of Agriculture](#), and [Sierra Nevada Journeys](#)
 - Supplemental video for educators in Northern Nevada
 - Curriculum is available through [KTMB](#) and [Desert Research Institute's Green Box program](#)
 - Virtual presentations can also be scheduled at [KTMB](#)
 - “Watershed Warrior” Program - grades 4-5 (can be adapted)
 - Introduces the Truckee River Watershed
 - Aligned with NGSS, includes a video, lesson plans written by [Sierra Nevada Journeys](#) and [Project WET](#)
 - Curriculum available through [KTMB](#) and [DRI's Green Box program](#)
 - Virtual presentations can also be scheduled at [KTMB](#)
 - Cost: FREE
 - Contact: Staff@ktmb.org

- **Nevada Department of Wildlife-NDOW (ICA Complete)**
 - Webinars and “Virtual Field Trips” can include:
 - Pre-program activity
 - Pre-recorded video (Webinars with NDOW Educators)
 - Virtual Q&A with NDOW educator
 - 2020 Nevada Knock-Out
 - Fictional single-elimination tournament between NV animals
 - Students research animals and fill out a tournament bracket, then read the battle results as they are released.
 - All of the program materials are available on the program website.
 - Please sign-up using this [form](#).
 - Know Your Nevada
 - 4th grade program focusing on Nevada state symbols.
 - Offered virtually - with video streaming capabilities and supplies and printables to the classroom.
 - 3 lessons cover 3 different themes: where in Nevada our state symbols live, the adaptations our symbols have to survive, and conservation of these symbols.
 - Cost: FREE
 - Contact: Regional Educator Jessica Heitt @ jheitt@ndow.org

- **Truckee Meadows Parks Foundation (ICA Complete)**
 - Student Steward Programs
 - Will be offered virtually through a combination of self- or teacher-guided Lesson Plans/Activities, live/interactive zoom sessions with TMPF educators, a virtual field trip, and by providing supply kits to teachers in advance.
 - Introduction: Pre-Activities: includes survey, scientific activity journal (45 minutes, interactive Presentation via Zoom)
 - Virtual Field Trip: includes video introduction, data sheets, field guides, materials to perform an experiment in class or in the school yard
 - Conclusion: 30min Live, interactive Wrap-up
 - Description of program offerings available @ TMPF’s [website](#)
 - [SSP Videos/YouTube channel](#) is ready and available for teachers
 - Distance Learning lessons/scientific journals (located on the SSP Video page under the Distance Learning Resources section) - will be updated.
 - Cost: FREE for schools with 50% FRL; \$5 per student for others
 - Contact: Haley Grable @ haleygrable@tmparksfoundation.org

- **Sierra Nevada Journeys (ICA Complete)**
 - Virtual Classrooms Unleashed
 - Virtual curriculum is NGSS-aligned and engaging, lessons are designed specifically for each grade level. Including:
 - Pre- and post-assessments
 - Four-to-six interactive lessons
 - Two live webinars with SNJ educators
 - Three additional hands-on lessons that students can do from home
 - 4th and 5th grade programs have a virtual field trip with interactive features to conclude the program
 - 1st grade: “Nature’s Transformers”
 - 2nd grade: “Matter Matters”
 - 3rd grade: “Habits and Habitats”
 - 4th grade: “Our Amazing Earth”
 - 5th grade: “Hands in the River”
 - Details at SNJ’s [website](#)
 - Cost: \$300/classroom
 - Contact: Alyssa Wagner @ AlyssaW@sierranevadajourneys.org

- **UNR - Keck Museum (ICA Complete)**
 - Curator of the Keck Museum, Garrett Barmore, is available to present to your class on a number of topics. See topics and schedule a visit @ <https://www.unr.edu/mackay/keck-museum/mineral-monday/mineral-monday-virtual-classroom>
 - Watch past episodes of “Mineral Monday” (71 in all) here: <https://vimeo.com/showcase/4949353>
 - Cost: FREE
 - Contact: Garrett Barmore, Museum Curator at gbarmore@unr.edu

- **UNR – Museum of Natural History (ICA Complete)**
 - Virtual Museum Tours and Lab Activities
 - Will last about 60 minutes
 - Appropriate for grades 2 - 8
 - Preferred days/times to schedule: Mon/Tue/Thur/Fri from between 10 - 1
 - Tours include a pre-recorded video that introduces the UNR Museum of Natural History and the importance of natural history collections (in some cases this video may be shared before the Virtual Tour).
 - Virtual Lab Activities will vary by grade level. Two scientists from our museum will walk students and teachers through the activity and be present via video conference to help with the activity and answer questions. When possible and appropriate lab materials will be provided beforehand (meeting all WCSD requirements) with separate kits for each student.
 - Lab Activity topics include:

- 2nd grade - **How do seeds help plants move?** Students will observe seeds and predict how they move.
 - 3rd grade - **What bird species live around us?** Students will make observations of different bird species and get the chance to see many bird mounts from our collections.
 - 4th grade - **What are the functions of feathers and how do they help birds survive?** Students will make observations of feathers from several different species to understand how they help birds survive.
 - 5th grade - **Lake Tahoe's changing food web - who's eating what, now?** Students will learn about the history of Lake Tahoe, then create and compare food webs for Lake Tahoe from different time periods.
 - Middle School – **Lahontan Cutthroat Trout Conservation - how we can protect our local mystery fish?** Students compare traits of different populations of fish to determine which is mostly closely related to the extinct morph of LCT native to the Truckee River watershed, then decide which to re-introduce back into our watershed.
 - Middle School - **How can garter snakes eat poisonous prey?** Students explore co-evolutionary patterns by timing videos of snakes in race-tracks exposed to different levels of a toxin. They will then map different populations of the poisonous prey, newts, with different populations of snakes showing varying levels of resistance. Live snakes will be available during the discussion.
 - Other lab topics can be created and performed by request.
 - Cost: FREE
 - Please contact the UNR Museum of Natural History Education Coordinator, Cynthia Scholl, cynthia.scholl@gmail.com, for more information or to schedule a virtual Museum Tour and Lab Activity
- **Urban Roots (ICA Complete)**
 - Offer virtual field trips including:
 - Tour of their Urban Teaching Farm
 - Seasonal, standards-based STEAM activity
 - Appropriate for grades K-8
 - Can be scheduled Wednesdays: 9:30, 11:00 or 12:30
 - Tour and activity last approximately 60 minutes
 - Offered on Zoom
 - Cost: \$75/class
 - Contact Sydney Callahan @ sydney@urgc.org to schedule

- **Think Kindness (ICA Complete)**

- School-wide 7 Day “Kindness Challenge”
- Virtual assembly with 3+ months of kindness “challenges”
 - § <https://thinkkindness.org/virtual-school-assembly>
- Virtual School Assembly through ZOOM to classrooms or home.
- Cost: \$550/assembly
- Contact Brian Williams | brian@thinkkindness.org