



YELLOWSTONE FOREVER

YELLOWSTONE STEAM TEACHER WORKSHOP – SESSION ONE

Itinerary & Details

TEACHER WORKSHOP - SUMMER 2022

INSTRUCTORS: Yellowstone Forever and National Park Service Staff

ACTIVITY LEVEL: This course is an activity level 2 and students enrolled in this course are expected to be active participants. Be prepared to hike up to 3 miles per day, comfortably, with elevation gains up to 600 feet. Some off-trail hiking possible.*

**All field activities will be conducted as a group. If you cannot meet the activity level expectations during your program, you may be restricted from participation in daily outings. We will not alter program itineraries or activities to accommodate participants who cannot meet the expectations of the stated activity level.*

LOCATION: Course begins at the Yellowstone Forever classrooms located in Gardiner, MT.

PROGRAM DATES & TIMES: The program begins at 6:00 p.m. on Sunday, July 24, 2022, and ends on Thursday, July 28, 2022, at 12:00 p.m.

WHAT'S INCLUDED: Your tuition includes daily outings, meals, shared lodging, and park entrance fee during your program. It does not include transportation to the park. Following the course, teachers who submit a final project will be awarded a \$200 stipend. A variety of media formats showing integration of art with science, technology, engineering, or mathematics will be accepted.

LODGING CHECK-IN & CHECK-OUT: Lodging check-in begins at 4:00 p.m. Sunday, July 24, 2022, and lodging check-out is at 9:00 a.m. on Thursday, July 28, 2022.

*This program includes lodging for four (4) nights during your program. Additional nights may be available at the Yellowstone Overlook Field Campus. The additional cost is \$80 per night plus tax. The Yellowstone Overlook features comfortable cabins on 80 acres, awe-inspiring views, and easy access to the northern section of the park. Cabins include self-serve kitchens for preparing meals and open-floor plans for group dining and evening activities. For more information, please see the last page of this document. Feel free to call us at 406-848-2400 (ext. #3) to make your reservations today.

MEALS: All meals will be catered by Tumbleweed Bookstore & Cafe in Gardiner, MT.

FROM THE INSTRUCTOR

STEM + Art = STEAM

Discover innovative ways to incorporate STEAM (Science, Technology, Engineering, Art, and Math) in your classroom! With Yellowstone National Park as the venue, learn how to use both traditional and innovative methods to incorporate Art into STEM lessons. Explore new ideas and strategies while networking with other educators on best practices for cross-curricular design.

Many of our courses are recognized by universities across the country. We are happy to provide a letter of completion and supporting documentation that you can submit to the institution of your choice to request approval for university credit or CEUs.

PROGRAM ITINERARY

Day 1

6:00 p.m.

Welcome and Orientation

Participants meet at the Yellowstone Forever classroom at 308 W. Park Street, Gardiner, MT for dinner and an evening orientation.

Days 2 - 4

These three days will immerse you in Yellowstone's wonders and inspire you with hands-on activities you can use with students. After breakfast each day, YF and NPS instructors will guide you through a mix of classroom art lessons and field activities. We will use an evening session and time with guest experts to further integrate art with STEM and give you tools to engage a variety of learning styles in your classroom. One session of early morning wildlife watching will also be included.

Day 5

Conclusion and Art Show

Participants will reflect on lessons from the week, discuss ways to incorporate Yellowstone STEAM in your classroom, and create individual action plans.

We will give each participant a more detailed itinerary upon arrival, but things to note include:

- We will NOT be visiting Old Faithful as part of this program. If you would like to see it or other geyser basins, consider renting a car and visiting Monday before we start at 6 p.m., or on Friday afternoon after we finish.
- Big sites in the park that we WILL see include: Grand Canyon of the Yellowstone and the Lower Falls, Lamar Valley, and Mammoth Hot Springs.
- If you have a day or two before or after the class, consider renting a car (possibly sharing a rental with other classmates!) and checking out the Old Faithful area, Midway Geyser Basin and Grand Prismatic, Fountain or Artist Paintpots, or the Yellowstone Lake area. While we will do some hiking during the workshop, should you wish to move a bit more, some information on day hikes can be found [here](#).

GENERAL EQUIPMENT & CLOTHING LIST

Much of the program time will be spent outdoors, and participants should be prepared for a variety of mountain weather conditions and temperatures. Appropriate clothing, equipment, and footwear are very important. Summer temperatures can range from below freezing in the mornings to 85° Fahrenheit in the afternoons. The layered use of garments for protection against the wind, sun, and temperature extremes should guide clothing choices.

*Your instructors will be carrying a first aid kit, bear spray, and emergency communication device.

Equipment:

- **Mask**, facial masks will be required to wear in all vehicles and where social distancing cannot be adhered to (at this time and subject to change based on NPS and CDC guidelines)
- **Hand Sanitizer**
- **Daypack**, with enough capacity to carry extra clothes, water, lunch, camera, binoculars, etc.
- **Water bottle**, participants will receive a 32 oz. Nalgene Tritan wide mouth quart water bottle as a gift during the program orientation. Participants should always keep a minimum of one quart of water on hand to facilitate proper hydration.
- **Sunglasses**
- **Sunscreen/lip protector**, sun at high altitude can burn unprotected skin quickly
- **Optics**; camera and binoculars

Clothing:

- **Insulating underwear**, capilene, polypropylene, wool, or similar wicking fabric
- **Mid-weight insulating layer**, a light synthetic fleece or wool shirt/pullover
- **Heavyweight insulating layer**, wool, down, or heavy-weight fleece jacket
- **Waterproof and windproof outer layer**, lightweight and breathable, jackets and pants
- **Short-sleeve shirt**, cotton is okay in summer, but synthetic wicking shirts are ideal
- **Pants**, synthetic hiking pants - jeans are not recommended
- **Hats**, both a brimmed sun hat and an insulating hat for cool weather
- **Gloves**, lightweight glove liners and a pair of wool/fleece gloves or mittens
- **Socks**, specifically designed for hiking, that wick moisture
- **Hiking boots that provide stability and traction**, make sure they are broken in, comfortable, and do not cause hot spots or blisters
- **Off-duty shoes**, sandals, athletic shoes, or other leisure footwear

RECOMMENDED READING

No prior reading is required, but participants might enjoy the following publications, that complement the program. Most publications are available at Yellowstone Forever's online store at shop.yellowstone.org Yellowstone Forever supporters receive a 15% discount and proceeds directly support the park.

COVID-19 HEALTH & SAFETY

Yellowstone Forever continues to adopt appropriate sanitization measures as prescribed by the [Centers for Disease Control and Prevention \(CDC\)](#). Guests are encouraged to refer to this respected resource when making near-term travel plans.

Yellowstone Forever and Yellowstone Park Lodges are in frequent contact with local authorities and partners such as county health departments and the National Park Service to continually monitor the situation on a regional level. Both entities are closely monitoring government policy changes, CDC guidelines, government mandates, and public health advancements, and will continue to make changes as necessary and appropriate to operations.

Currently COVID-19 guidelines for program participants:

- Program participants should stay home if they are feeling any COVID-19 symptoms.
- At orientation each participant will be asked the following screening questions. If a participant answers “yes” to any of these questions they will not be permitted to attend a Yellowstone Forever course.
 - “Have you had a fever of over 100.4 °F or experienced shortness of breath or coughing in the last 10 days?”
 - “Have you been in contact with any individual known to have tested positive for COVID-19 within the last 14 days?”
- Each participant will have their temperature taken upon arrival of each program day. If a participant has a fever, they will not be permitted on the program.
- All participants, instructors, and program volunteers are required to wear masks indoors and in vehicles. Masks will not be required during hikes but will be recommended during outdoor stops.
- Participants should bring their own mask(s).
- Participants will be asked to maintain 6-foot social distancing practices during the program.
- Driver and passengers are not allowed to eat or drink on the vehicle.
 - Additionally, only the program instructors are permitted to serve lunch, snacks, and drinks to participants. No food or drink self-service will be available while on the program.
- Yellowstone Forever will use the largest-capacity vehicle available for each program to maximize space between participants during transport.

THIS IS SUBJECT TO CHANGE BASED ON UPDATED GUIDELINES FROM NPS AND CDC. PARTICIPANTS WILL BE NOTIFIED ON ANY CHANGING GUIDELINES.

WHOM TO CONTACT

For any questions, concerns, or additional information please contact the following:

- Program itinerary, health forms, payment, and activity questions please contact Yellowstone Forever at institute@yellowstone.org or 406-848-2400
- Road updates, park conditions, and general park information please contact Yellowstone National Park Service at <https://www.nps.gov/yell/contacts.htm>
- If running late for a program, please contact us at 406-848-2400

Plan on extra driving time in the park, the speed limit is 45 mph or lower and road conditions can vary. There may also be construction delays. Visit www.nps.gov/yell/planyourvisit/hours.htm, call the recorded NPS Road Report at 307-344-2117, or contact a visitor center for up-to-date travel information.