



P.O. Box 117 Yellowstone National Park, WY 82190 * 406-848-2400 * www.YellowstoneAssociation.org

Welcome to ***Yellowstone on Skis***. The following information will help you prepare for your upcoming program. Please read it carefully and do not hesitate to contact the Institute at registrar@yellowstoneassociation.org or 406-848-2400 with any questions.

The Program

The focus of this five-day program is exploring Yellowstone by traveling on cross-country skis. Following the tracks of the turn-of-the-century ski patrols of the U.S. Army, and the likes of John Colter, we will incorporate wildlife, history, ecology, geology, and ecosystem issues into our recreational activities. Our first ski day starts with a bang—we'll travel by ski shuttle into a pristine and quiet part of the park to a backcountry route. During the remaining four days, we will venture into the central part of Yellowstone on groomed roads in a snowcoach to ski far from the road corridors past frozen waterfalls; through open pristine meadows; to expansive backcountry lakes and along the rim of the amazing Grand Canyon of the Yellowstone River.

Your naturalist guide will inform you of the departure time for the next day's activities. The schedule for the week incorporates group activities and reserves free time for individual exploring, relaxing, hiking, skiing, ice skating, soaking in hot springs, and more. All field activities will be conducted as a group, however, it is fine if you choose not to participate in a day's activities—just let your instructor know your decision in advance.

How Fit Do You Need to Be?

- This program is rated for brisk aerobic skiing of up to 8 miles per day with climbs up to 1000 feet. Skiing is an aerobic activity—more so at 6000 to 8000 feet. If you have not already done so, it would be wise to commence a program of moderate aerobic exercise prior to the trip. Participants residing at lower elevations may want to arrive a day early to adjust to the altitude.
- To ensure an enjoyable experience, all participants should have at least “advanced beginner” cross-country ski skills (see below). If you have not been on cross-country skis in a while, we strongly encourage enrolling in a *Learn-to-Ski* class in Mammoth on the day before your program starts in order to be adequately prepared for the program.
- We will be skiing on un-groomed trails. Sometimes these trails will be skier-tracked, other times we may break our own trails. Conditions vary from powder to hard-packed, depending on weather. Downhill ski experience does not equate to proficiency on cross-country skis.
- If you will be bringing your own skis, we suggest having them hot waxed prior to arrival. All skis, even “no-wax” skis, need to have tips and tails hot waxed on a regular basis. The ski shop in Mammoth Hot Springs is able to provide this service if you are unable to do it before leaving home.
- For your safety and the safety of other participants, please take the time to answer the Confidential Health Information Questionnaire completely and accurately. If you have any questions or concerns regarding physical or medical conditions, please contact us at 406-848-2400.

Advanced Beginner Ski Skills

On cross-country skis, you should be able to do the following on un-groomed trails:

- Snowplow to slow down, ski in control on hills and stop on demand
- Snowplow to turn while skiing downhill
- Not fall so often that you exhaust yourself or hold up the group for an inordinate time

- Get yourself up with minimal assistance, after falling
- Kick and glide on flat ground
- Negotiate normal obstacles that one might find on a trail, like fallen logs or rocks.

What to Bring

Winter in Yellowstone can be cold and unpredictable; exploring the park safely and comfortably requires planning and preparation. Please study the attached clothing and equipment list carefully.

What's Included

The **Yellowstone on Skis** program includes an educational program by an Institute naturalist guide, in-park transportation, ski rentals (if selected at time of registration), six nights of lodging, all breakfasts and lunches, hot beverages and snacks on the road; as well as a gratuity for all prepaid meals, baggage handling, and snowcoach driver. Any other gratuities, including gratuities for naturalist guide and ski guide are discretionary. You will receive a Snowcard that entitles you to a 10 percent discount for dinners. Dinner reservations are required at both the Mammoth and Old Faithful hotels. We recommend that you make dinner reservations before your arrival to Yellowstone by calling 866-439-7375. The attached itinerary gives arrival times at our daily destinations.

Your enrollment also includes a one year subscription to our magazine *Yellowstone Quarterly*.

***Please note:** In an effort to provide additional support to Yellowstone National Park, park entrance passes will no longer be included with program registration. The entrance fee is \$25 for a private, noncommercial vehicle; \$20 for each snowmobile or motorcycle; or \$12 for each visitor 16 and older entering by foot, bike, ski, etc. This fee provides the visitor with a 7-day entrance permit for both Yellowstone and Grand Teton National Parks.

We look forward to sharing Yellowstone with you!

ITINERARY

The itinerary is designed to take advantage of the best opportunities in the park, but may be adjusted to adapt to weather conditions, animal movements, holidays, and road construction.

Day 1 Welcome and Orientation

If renting skis, and if time permits, get skis at Mammoth Hot Springs Bear Den Ski Shop prior to orientation.
 Dinner on own (advanced reservations required), Snowcard discount
 7 p.m. Orientation in Mammoth board room (room 207) on the second floor of the Mammoth hotel.
 Introduction to Yellowstone, program preview, clothing and equipment review, and question and answer session.
 Overnight in Mammoth Hot Springs

Day 2 Indian Creek Ski Tour

Breakfast on your own (with coupon)
 Ski fitting (at 7:45 a.m. at the Bear Den Ski Shop) for those who were unable to get skis previously.
 8:15 a.m. Meet in lobby with day's gear (skis, pack, water, and appropriate clothing)
 Depart for ski tour via snowcoach
 Interpretive ski tour: Bighorn Trail (5.5 miles easy to more difficult)
 (optional extensions available as time and group interests allow)
 Bag lunch on the trail
 4:30 p.m. Return to Mammoth
 Dinner on own (advanced reservations required), Snowcard discount
 8:30 p.m. Optional evening program or free time

Overnight in Mammoth Hot Springs

Day 3**Ski Tour in the Old Faithful Area**

Breakfast on your own (with coupon)

7 a.m. Leave tagged luggage to Old Faithful outside of your room

Check out required from Mammoth Hot Springs Hotel

7:45 a.m. Meet in hotel lobby with gear for the day (pack, water, and appropriate clothing), ready to load

8 a.m. Depart for Old Faithful area via snowcoach, with interpretive stops along the way

Interpretive ski tour: Fairy Falls/Imperial Geyser (5-7 miles, easy to moderate)

Bag lunch on the trail

4-5:30 p.m. Arrive Old Faithful Snow Lodge

Dinner on own (advanced reservations required), Snowcard discount

Overnight at Old Faithful Snow Lodge

Days 4 and 5 Ski Tours in the Old Faithful Area

Breakfast on your own (with coupon)

8:45 a.m. Meet at snowcoach with day's gear (skis, pack, water, and appropriate clothing)

Depart for ski tour(s)

Optional interpretive ski tour(s) at instructor's discretion:

DeLacy Creek to Shoshone Lake (6 miles, easy to more difficult)

Or Spring Creek to Lone Star (6-8 miles, easiest to more difficult)

Or Lone Star Geyser (5-9 miles, easiest to most difficult)

Bag lunch on the trail

3-5 p.m. Return to Old Faithful

Dinner on own (advanced reservations required) Snowcard discount (*Day 4*)6:30 p.m. Group dinner (reservations made for you) (with coupon) (*on Day 5*)

Overnight at Old Faithful Snow Lodge

Day 6**Grand Canyon of the Yellowstone Ski Tour**

Breakfast on your own (with coupon)

Leave luggage to Old Faithful inside of your room

Check out required from Old Faithful Snow Lodge

7:45 a.m. Meet at snowcoach with day's gear (skis, pack, water, and appropriate clothing)

Depart for Canyon area

Interpretive ski tour: North Rim–Inspiration Point to Upper Falls (3 miles easy)(optional extensions:

TBD depending on snow/weather conditions)

Bag lunch on the trail

6 p.m. Return to Mammoth

Drop off rental equipment behind activities desk

Dinner on own (advanced reservations required), Snowcard discount

Overnight in Mammoth Hot Springs

CODE OF ETHICS

The Yellowstone Association Institute is committed to demonstrating a high standard of appropriate and ethical behavior in Yellowstone. As a participant in an Institute program, we ask you to adhere to the following Code of Ethics. In addition to the ethics highlighted below, the Institute abides by all National Park Service rules and regulations. We also practice Leave No Trace guidelines for traveling responsibly in the wilderness.

Observing Wildlife: We will do our best to have as little impact on wildlife as possible. Animals will be observed from a distance, using high powered spotting scopes to help keep our presence from affecting their behavior.

Participants should not expect to get close-up photographs of wildlife. The Institute will adhere to National Park Service regulations by keeping a minimum distance of 25 yards from bison, elk, bighorn sheep, deer, moose, coyotes, nesting birds, and 100 yards from bears and wolves. We will not entice wildlife with food, animal calls, or any actions that change their behavior.

Leave What You Find: It is illegal to remove natural or cultural artifacts (plants, animals, bones, rocks, etc.) from the park. Institute instructors have permission from the National Park Service to manipulate plants, rocks, bones, etc. for educational purposes, and will return them to their natural positions and locations.

General Etiquette: Institute groups will be considerate of other visitors and respect the quality of their experience. Voices and vehicle sounds carry great distances and affect both wildlife and people—remaining silent or very quiet while watching wildlife lets the sounds of Yellowstone (including wolf howls) prevail.

Roads and Vehicles: Expect wildlife on the road, and drive at or below the posted park speed limits. When stopping to observe wildlife or other park features, the Institute will move vehicles entirely off the road. If there is no safe pullout available, we will drive to the next safe place and walk back to observe the wildlife. We will not stop in the middle of the road, and should a traffic jam develop as a result of our activities, we will cease the activity.

Properly Dispose of Waste: We will pack out all trash, leftover food, and litter. Your instructor will discuss techniques for properly disposing of human waste in the field.

Traveling Lightly: When hiking or walking in Yellowstone, we will use existing trails and boardwalks, and follow appropriate techniques when walking off-trail. Walking around muddy or wet places in the trail increases erosion and negatively affects the resource; proper equipment is essential to hiking ethically. Participants should come adequately prepared with the equipment listed for their course and should expect to walk through mud, snow, or puddles in the trail.

Thank you for helping us set a good example in Yellowstone!

WINTER CLOTHING/EQUIPMENT LIST

Weather in Yellowstone is unpredictable; you will need to prepare for greater temperature and weather extremes. The elevation in the park interior is 5000 to 7000 feet. If you are poorly prepared in winter conditions, “uncomfortable” can quickly become life threatening. Conditions could range from 20-30° F below zero to the 30’s above with calm or windy conditions. Heavy snows can occur daily. If you are adequately equipped with the right gear and clothing, you will have a more comfortable and enjoyable experience. If you have any questions about appropriate clothing or gear, please do not hesitate to contact the Institute at 406-848-2400.

Clothing

The layered use of synthetics and wool with protection from the wind is the goal of your clothing choices. Loose fitting layers allow you to maintain a comfortable and dry body by having flexibility in insulation as outside temperatures change and as your own body’s temperature and moisture output changes with different levels of exertion. It is strongly recommended that you not wear cotton clothing outdoors in the winter, especially next to your skin.

Insulating Underwear: Capilene, silk, polypropylene, or similar. Should have ability to wick moisture away from the body. A light or medium weight is adequate.

Lightweight Insulating Layer: A light 200-weight synthetic fleece shirt or wool garment is a good choice.

Heavyweight Insulating Layer: Fabric can be wool, down, heavy-weight fleece, or other synthetic fabric. A heavy winter coat with a water resistant shell will suffice for less active activities.

Wind/Rain Jacket and Pants: A layer that breaks the wind yet breathes is important. Gore-Tex shells do both, but are expensive. Coated nylon blocks wind and rain and is economical, but doesn’t release sweat. If your rain

jacket does not breathe, you might consider a separate wind jacket. A jacket with a hood is a plus. Wind pants should be wind/water resistant and loose fitting.

Shirts: Synthetic shirts are ideal, because they wick moisture away from the body.

Pants: Wool or fleece pants or tights are recommended. The fleece variety in a 200-weight are excellent. Wool army surplus pants are okay, too. The tight-fitting ski pants used for track or skate skiing are typically inadequate.

Hat: Insulated hat that covers your ears.

Gloves: Lightweight glove liners, and a pair of heavy wool or fleece gloves or mittens. A water and windproof outer layer is recommended.

Neck Warmer/Gaiter: Synthetic or wool is best.

Socks: A lightweight liner with heavyweight synthetic or wool socks are best, however, if you have a system that works for you, bring that.

Gaiters: Knee-high length is recommended to keep the snow out of your boots and to keep your pants dry.

Insulated Boots: Boots should have a water repellent layer outside, thick insulation inside, and be large enough to fit over thick socks. Tight boots are the surest way to get painfully cold feet. General hiking boots will not provide adequate insulation. Ice cleats (such as Yaktrax) are recommended for traction on packed snow and icy surfaces.

Off-duty Shoes: Sandals, athletic shoes, or other leisure footwear.

Equipment

Your instructor will be carrying a first aid kit, bear spray (if needed), and emergency communication device.

Daypack: In addition to extra clothes, you'll be carrying water, lunch, and maybe a camera, binoculars, field guides, and other items during excursions away from the vehicle. Make sure your daypack is large enough to accommodate these items.

Water Bottle (reusable): Staying hydrated is very important. One quart/liter is the minimum recommended.

Camelback or similar hydration systems work, as well. We will provide one complementary YAI thermos at orientation, but we encourage you to bring one reusable bottle of your own, as well. To reduce our impact, we do NOT provide disposable water bottles.

Sunglasses/Goggles: Glare can be debilitating and damaging.

Sunscreen/Lip Protector

Camera, Binoculars: If you have them, bring them. If you have a digital camera, you may be able to take close photos of surprising quality through the Institute spotting scopes.

Personal First Aid Kit: Please bring any personal medications you require.

Alarm Clock: Make sure you're ready for early mornings! Not all hotel rooms/cabins have alarm clocks.

Pocket Hand/Foot Warmers: These can help with comfort, but do not rely on them for safety.

OPTIONAL READING LIST

No prior reading is required, but you might want something to occupy your flight or car ride. Whether your passion is history, geology, wildlife, or ecology, there's something for everyone. Most publications are available from the Yellowstone Association's online store at www.YellowstoneAssociation.org or by calling 406-848-2400.

Yellowstone Association members receive a 15 percent discount and all proceeds go directly back into the park for education and research.

- Eversman, S., and Carr, M. 1992. *Yellowstone Ecology: A Road Guide*. Mountain Press Publishing Co., Missoula, MT 242 pp.
- Halfpenny, J.C. 1987. *A Field Guide to Mammal Tracking in North America. Second Edition*. Johnson Books, Boulder, CO. 176 pp.
- Halfpenny, J.C. and Ozanne, R.D. 1989. *Winter: An Ecological Handbook*. Johnson Books, Boulder, CO. 273 pp.
- Henry, J. 1998. *Yellowstone Winter Guide*. Roberts Rinehart Publishers, Boulder, CO. 104 pp.
- Schullery, P. 1995. *Yellowstone's Ski Pioneers: Peril and Heroism on the Winter Trail*. High Plains Publishing Co., Worland, WY. 163 pp.

- Schullery, P. 1999. *Searching for Yellowstone: Ecology and Wonder in the Last Wilderness*. Houghton Mifflin Co., NY, NY. 338pp.
- Smith, R.B. and Siegel, L.J. 2000. *Windows into the Earth: The Geologic Story of Yellowstone and Grand Teton National Parks*. Oxford University Press. 242 pp.
- Smith, D and Ferguson, G. *Decade of the Wolf 2005*, Lyons Press, NY 212 pp.

TRAVEL INFORMATION



In winter, the only park entrance open to wheeled-vehicles is the North Entrance at Gardiner, Montana. All other park entrances are accessible only by snowcoach or snowmobile. Plan on extra driving time in the park. The speed limit is 45 mph or lower. There may also be construction delays. Visit www.nps.gov/yell/planyourvisit/hours.htm, call the NPS at 307-344-2107, or check in at a visitor center for up-to-date travel information.