

Teacher Field Trip Guide for Newberry National Volcanic Monument



for the greatest good

Dear Educator,

This Teacher Guide is designed as a resource for teachers or leaders planning a trip to Newberry National Volcanic Monument. This guide will help you, your students, and chaperones prepare for the field trip, and notify participants of important policies, expectations, and safety concerns.

This Guide is divided into 3 sections:

[Teacher Checklist \(page 2-Before Trip; page 3-Day of Trip & After Trip\)](#)

[Student & Chaperone Expectations \(page 4\)](#)

[Safety Concerns \(page 5\)](#)

Newberry National Volcanic Monument (NNVM) offers your students a unique opportunity to study volcanoes and their effect upon the physical, biological and cultural aspects of our world. The Monument's Education Programs help you create a connection between your students and their local natural world by bringing them into contact with the dramatic evidence of Central Oregon's volcanic legacy. Education programs are offered to schools & education groups during the spring, summer, and fall. Deschutes National Forest and Discover Your Forest (non-profit partner) are pleased that you and your students have chosen this program to enhance your outdoor education experience and hope that in the future we can continue to provide opportunities for your students to gain a better understanding of their local environment.

Sincerely,

Becky Yaeger

Becky Yaeger

Conservation Education Specialist

Discover Your Forest & Newberry National Volcanic Monument

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Teacher Checklist for Newberry National Volcanic Monument



Check each item as you complete tasks to prepare for the field trip:

	A. Before the field trip:	Confirm booking info with Becky Yaeger, Conservation Education Specialist Email: Rebecca.yaeger@discovernw.org Office: 541-383-5557 Cell: 443-604-5903
	1. Confirm driving route, arrival, and departure times* with trip bus driver:	*Find out if your bus driver has an <i>afternoon bus route because it may interfere with your departure time</i> . See map links for field trip sites: Lava Lands , Lava River Cave , Benham Falls East Trailhead , Lava Cast Forest , Paulina Falls , Big Obsidian Flow .
	2. School Engagement Fund:	If your school need assistance with costs of bussing or substitutes, apply for assistance through the Children’s Forest of Central Oregon’s School Engagement Fund .
	2. Lunch plans:	Groups may stay for lunch. Lava Lands has picnic tables, drink fountains, running water & flush toilets. Lava River Cave has pit toilets but no picnic tables. Benham Falls, Lava Cast Forest, Paulina Falls, and Big Obsidian Flow have pit toilets and a few picnic tables.
	3. Gear: Make sure all program attendees know how to come prepared on the trip by bringing appropriate gear.	Pack water bottles, sack lunches, and a <i>Pack it Out garbage bag</i> for lunch trash. Garbage cans may be on site, but <i>please follow Leave No Trace Principles so trash receptacles can be used by public and not over fill with school group trash</i> . Wear sturdy closed toed shoes, and comfortable clothing for hiking. Sun protection (hats, sunglasses, sun block) is highly recommended for sites with little shade. RESTRICTIONS at Lava River Cave: Due to White Nose Syndrome, <i>if you have worn shoes, clothing, lights, and/or gear into any other cave/mine you may not enter Lava River Cave</i> . The Cave is cold, <i>dress in warm layers, bring your own flashlight</i> if not renting lights.
	4. Fees:	All school buses and first 3 private vehicles are free. Additional vehicles must have a valid pass or pay the daily recreation fee of \$5 per vehicle. Cave flashlight rentals are \$5/light.
	5. Medications/Special Needs:	Determine if any students need medications and which adult will be assigned to stay with this student to administer meds during the trip. Inform Becky of any other special needs.
	6. Every Kid in a Park or Every Kid Outdoors pass (Optional for 4th grade only)	All 4 th graders can obtain their Every Kid in a Park or Every Kid Outdoors pass that allows them and their families to visit National Parks and other federal lands or waters for free! Use the pass as often as possible at the start of 4 th grade through August before 5 th grade.

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Check each item as you complete tasks for the day of and after the field trip:

B. Day of field trip:	Things to bring; structure & expectations for the field trip.
1. Items to pack:	Pack group <i>garbage bag</i> , lunches, water bottles, sun protection, flashlights (for Cave), and medications (if needed).
2. Student groups:	If there are 20+ students, be ready to divide students into smaller groups for guided tours at Lava Lands, and for safe supervision at Lava River Cave and other sites.
3. Keep possessions on the bus or in private vehicles:	When you arrive to the site, <i>leave backpacks and lunches on the bus</i> . As part of <i>Leave No Trace</i> , it's easier for students to limit what they carry to only those items needed. No food or drinks are allowed in the Visitor Center or inside Lava River Cave. During breaks, retrieve lunches from the bus and eat in designated areas only, and <i>pack out all trash</i> .
4. Last minute issues:	ASAP, call Becky at 443-604-5903, or other Lead Volunteer Ranger contact # (if provided).

C. After the field trip:	Review concepts, write thank you letters, & consider making a donation.
1. Review:	Check for student understanding of field trip concepts by doing an in-class review.
2. Thank You Letters:	Have students <i>write Thank You letters to the Volunteer Forest Service Rangers</i> (for guided tours) to share their favorite part and what they learned during the program. Letters can be mailed to: Discover Your Forest, Becky Yaeger, 63095 Deschutes Market Rd. Bend, OR 97701
3. Donations (optional):	NNVM education programs are free. However, if you would like to donate, please do so by visiting our Donate page . Donations help support funding for free field trips, Title I school field trips, bus transportation, adaptive equipment, and adaptive assistance.

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Student & Chaperone Expectations for Newberry National Volcanic Monument

The following information provides [Expectations for Students & Chaperones](#). Please review this info prior to your trip.

5 Finger Contract for Students (Recommended for Elementary students)

- **Thumbs Up** stands for **Respect**. Respect yourself by using the restroom and drinking water so you will be comfortable while hiking. Please respect classmates, teachers, chaperones, National Forest Rangers, and other visitors.
- **L** (thumb & pointer finger) stands for **Leave No Trace**. We all collectively own public land, therefore it's our responsibility to take care of the land we are visiting today. Please don't leave trash or belongings behind, and don't take natural objects home with you, even rocks.
- **W** (hold up 3 fingers) stands for **Watch out for your buddy**. We have assigned you to colored groups (if self-guided: assign to teacher/chaperone groups) so we can keep you safe on the trails. You must inform your Ranger (or teacher/chaperone) if you need to leave the group & they will grant permission if it is safe and you can go with a buddy/chaperone.
- **4 fingers make a talking mouth. Close it**. This is a reminder to you that when a Ranger (or teacher/chaperone) is talking, you should be **listening**. We may use the Quiet Coyote symbol to ask for your quiet attention. We want students to participate too, which you may do by raising your hand.
- **The pinky** stands for the **little things that matter**. We hope you learn lots of little details, especially about our *Ever Changing Earth*.

Chaperone Meeting

- **Thank You** for being here for the field trip and for assisting the students with learning.
- Please at all times encourage and model **Leave No Trace**. This is especially important while on the trails since there are no trash cans, and during lunch. Make sure no garbage or crumbs are left behind by students or yourself.
- **Your role is to supervise and discipline** students. Make sure you arrange yourself and other chaperones in the front, middle, and back of the student line while hiking. Keep students on the trail, and focused during activities. Please model good attention towards the Rangers (if present), remind students to listen, and allow students who can't focus to take a brief break with you.
- A teacher or chaperone is responsible for **escorting a student back to facilities if a need arises**. Always inform a Ranger before leaving.
- Avoid or limit **Phone Calls or Side Conversations**. If necessary, please ensure another chaperone can provide supervision while you briefly stand off to the side so as not to interrupt discussions or activities.

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Safety Information for Newberry National Volcanic Monument

Safety Concerns

We want you and your students to enjoy visiting Newberry National Volcanic Monument in the safest and most comfortable manner. Feel free to copy this safety information and send it home with your parent letters. Everyone wins if everyone is prepared. Your students get more out of the field trip, you get more student learning and parent chaperones have a more enjoyable time.

Remember...

- Be aware of the weather. Generally, the temperature ranges between 45 and 75 degrees during the spring months, and it's hotter in summer and fall.
- Sites are remote. Pack a First Aid Kit & student meds. Don't rely on good cell phone service, especially at Caldera sites.
- **Don't Be A Rock Raider!** Damaging or removing even a small sample of rock degrades our resource and it's illegal.
- To best experience the Monument, students will want to explore on foot. Wear comfortable footwear; tennis shoes would be most appropriate.
- Bring water bottles and drink plenty of fluids. Being hydrated will lessen the severity of accidents that could occur.
- Do not walk on the lava flows. Lava is habitat for unique plants and animals. Walking on lava presents a high risk to you and wears away at the lava itself. Lava rocks are provided for hands-on discovery inside Lava Lands Visitor Center.
- No running allowed. Stay on the designated trails.
- Pace yourself when doing vigorous activity.
- Don't feed wildlife. Human food can harm wildlife if eaten, or cause their food stores to rot resulting in wildlife starvation. Feeding wildlife can result in injuries such as bites, and is also detrimental to wildlife that come to rely on humans for food.
- Should you choose to visit Lava River Cave, be sure to dress appropriately. **Due to the threat of White Nose Syndrome**, which is fatal to cave bat populations, **there are restrictions. Help us keep White Nose Syndrome out of the cave by making sure you don't wear shoes, clothing, or bring gear/lights that have been in any other cave or mine.** Good walking shoes are a must as the cave is mostly undeveloped. The temperature inside the cave is about 42° F. Students may wish to bring their own flashlights but lanterns are advised and available to rent for \$5 at the entrance booth.
- Hiking up Lava Butte with students isn't advised during hours of operation, 9am–4:30pm, due to heavy traffic & safety concerns.