

## **Daisy Badges**

### Be a Sister to Every Girl Scout: "Violet" Requirement #3

- Practice Being a Sister to Every Girl Scout: Work together to answer questions and do activities, helping each other out during the event and acting like a sister to your fellow Scouts!

### Courageous and Strong: "Tula" Requirement #2

- Celebrate women who were courageous and strong by visiting the Molly Brown House Museum and the Legendary Ladies booths at the event.

### Friendly and Helpful: "Sunny" Requirement #3

- Learn to be friendly and greet any of our volunteers and special guests at our event!

### Make the World a Better Place: "Rosie" Requirement #3

- Learn about Leave No Trace principles at the Leave No Trace booth, and learn about conservation of natural resources and recycling at the Libby Talks booth!

### Use Resources Wisely: "Clover" Requirement #3

- Learn about managing natural resources and wisely using them at the Libby Talks booth!

### Eco Learner: Requirements #1, 2, 3 (complete)

- Be prepared to protect nature before you go outdoors by visiting the Leave No Trace booth before your hike on Dinosaur Ridge.
- Keep living things safe when you walk in nature by visiting the Leave No Trace booth before your hike on Dinosaur Ridge. You can also visit the Bird Conservancy booth to learn about observing birds from a safe distance while hiking.
- Learn how to protect nature from trash at the Leave No Trace booth, and learn about recycling and conservation of trash at the Libby Talks booth before going on your hike up Dinosaur Ridge.

### Good Neighbor: Requirements #2, 3

- Discover your city or town by learning about Morrison, Colorado with the Morrison Museum at the Dinosaur Bone Site, and the history of Molly Brown, a Colorado native, at the Molly Brown House Museum booth.
- See what makes your state special by learning about the Stegosaurus, the Colorado State Fossil, with Morrison Museum at the Dinosaur Bone Site.

### Journey: 5 Flowers, 4 Stories, 3 Cheers for Animals: Requirement #1

- Find out what animals need and how to care for them. Go on a nature walk to observe animals. Learn about local birds with the Bird Conservancy booth and then look for them on your hike of Dinosaur Ridge!

### Journey: Between Earth and Sky: Requirement #1

- Explore nature and learn how to keep the Earth healthy at the Leave No Trace, NREL, and Libby Talks booths.

### Journey: Think Like a Citizen Scientist: Requirement #1, 2

- Find out how scientists use the scientific method to investigate the world and make discoveries with any of the STEM Organization booths at the Visitor Center, or at the USGS and Morrison Museum booths on Dinosaur Ridge.
- Do hands-on activities to learn how to make observations and collect data with any of the STEM organization booths at the Visitor Center.

## **Brownie Badges**

### Eco Friend: Requirements #1, 2, 4, 5

- Learn about ways to help the outdoors at the Leave No Trace, NREL, Libby Talks and Bird Conservancy booths.
- Observe Outdoor Spaces by hiking Dinosaur Ridge and talking to volunteer scientists about our local ecology, paleontology, and geology!
- Learn how to take care of wildlife with the Bird Conservancy and Libby Talks booths.

### Hiker: Requirements #1, 2, 3, 4, 5 (complete)

- Choose Dinosaur Ridge as your hiking location and hike during our event!
- Try out a hiking skill as you walk Dinosaur Ridge!
- Bring the right gear with you on a Dinosaur Ridge hike (water, close-toed shoes, a hat, sunscreen, and layers you can put on if the weather changes.
- Pack a snack that you can eat along the Dinosaur Ridge trail.
- Go on a hike! Enjoy your trip along the Dinosaur Ridge trail!

### Home Scientist: Requirements #3, 5

- Dive into density with rocks and minerals at the SME, AIPG, USGS, and Gem Trails booths.
- Play with Science at any of our STEM booths!

### Household Elf: Requirements #1, 2, 3, 4, 5 (complete)

- Learn how to save energy in your home at the Libby Talks and NREL booths.
- Learn how to conserve water at the Groundwater Association booth.
- Learn about ways to keep your home natural at the Libby Talks, NREL, and Leave no Trace booths.
- Learn about pollution and how you can lower your carbon footprint at the Libby Talks and NREL booths.

### Inventor: Requirements #1, 2

- Warm up your inventors mind by learning about inventions made by women in science at the Legendary Ladies booth.
- Find ways that miners solved problems at the Molly Brown House Museum booth.

### Journey: Think Like a Citizen Scientist: Requirement #1, 2

- Find out how scientists use the scientific method to investigate the world and make discoveries with any of the STEM Organization booths at the Visitor Center, or at the USGS and Morrison Museum booths on Dinosaur Ridge.
- Do hands-on activities to learn how to make observations and collect data with any of the STEM organization booths at the Visitor Center.

### Journey: WOW! Wonders of Water: Requirement #1

- Explore the wonders of water, it's importance, and how it's used at the Libby talks, NREL and Groundwater Association booth.

### Outdoor Adventurer: Requirements #2, 5

- Explore nature by hiking Dinosaur Ridge and visiting our STEM booths.
- Learn to care for the outdoors at the Leave no Trace, NREL, and Libby Talks booths.

**Brownie:** Senses: Requirements #1, 2, 3, 4, 5 (complete)

- Look around as you hike Dinosaur Ridge at both the fossils and geology, as well as the modern-day ecology (plants and animals).
- Learn about different bird calls at the Bird Conservatory Booth and then listen as you hike to the sounds around Dinosaur Ridge.
- Put your nose to work while you hike Dinosaur Ridge - and check out some of the different plants you can find up there. The leaves will have different smells based on the plant group to which they belong.
- Take a taste test at the Minerals booth by exploring Halite.
- Touch and feel at the STEM booths as well as the fossil sites along Dinosaur Ridge!

**Brownie:** Space Science Adventurer: Requirements #1, 2, 3, 4, 5 (complete)

- Learn about our neighbors in our Solar System at the Denver Astronomical Society booth.
- See more than before by checking out a telescope or binoculars at the event.
- Investigate the moon at the Denver Astronomical Society Booth.
- Learn about stars and constellations to make yourself a stargazer at the booth.
- Celebrate space science at the booth!

## **Junior Badges**

**Animal Habitats:** Requirements #1, 2, 4, 5

- Find out about wild birds at the Bird Conservancy Booth.
- Investigate animal habitats as you hike Dinosaur Ridge.
- Explore endangered habitats at the Libby Talks booth.
- Learn how to protect animal habitats at the Leave no Trace, Libby Talks, and Bird Conservancy booth.

**Detective:** Requirements #1, 4, 5

- Practice the power of observation by making scientific observations of fossils, rocks, minerals, and wildlife at our STEM booths.
- Try out detective science in the Backyard Bones Dinosaur Dig by trying to figure out what dinosaur is there, what it was doing in this location, what happened to it while it was here, and how it died.
- Follow the clues to answer the above questions and solve the Backyard Bones mystery!

**Eco Camper:** Requirements #1, 2, 4, 5

- Learn the Leave No Trace Seven Principles at the Leave No Trace booth.
- Learn about meal planning that keeps the environment in mind at the Leave No Trace Booth.
- Have fun practicing Leave No Trace principles during your visit to Dinosaur Ridge.
- Make the Dinosaur Ridge hike at our event a conservation hike. If you find trash along the way, pick it up and take it to a receptacle! If you see someone breaking the Leave No Trace principles, stand up for your outdoor landmark and remind them to take care of Dinosaur Ridge so everyone can enjoy it!

**Geocacher:** Requirements #1, 2, 3, 4, 5 (complete)

- Prepare for your adventure to Dinosaur Ridge by planning ahead for weather, water, food, and appropriate shoes.
- Learn to use a GPS device at the Geocaching Colorado booth.
- Make a trade item at the event for any geocaches you may find!
- Use your hike on Dinosaur Ridge as a geocaching adventure! There are MANY geocaches along the trail. A map is provided with your check in materials of the locations of geocaches on Dinosaur Ridge.
- Take part in a bug's travels by getting information on where other geocaches are around your area and plan a trip. You can get this information at the Geocaching Colorado booth!

Journey: Agent of Change: Requirement #1

- Explore how powerful individual women have been throughout history by visiting the Molly Brown House Museum and Legendary Ladies booths.

Journey: Think Like a Citizen Scientist: Requirement #1, 2

- Find out how scientists use the scientific method to investigate the world and make discoveries with any of the STEM Organization booths at the Visitor Center, or at the USGS and Morrison Museum booths on Dinosaur Ridge.
- Do hands-on activities to learn how to make observations and collect data with any of the STEM organization booths at the Visitor Center.

Playing the Past: Requirements #1, 2, 3, 4, 5 (complete)

- Explore women in science by visiting the Legendary Ladies booth and explore someone from the past. Decide which historical women you would like to pretend to be.
- Try on several of the costumes at the Legendary Ladies booth to try and look like the historical figure you're pretending to be.
- Learn about the life of one of our women of science's past.
- Have some old-fashioned fun by dressing up as a historic woman scientist!
- Become your character by doing some science that your historical figure would have done (example: look at fossils as Mary Anning).

Space Science Investigator: Requirements #1, 2, 3, 4, 5 (complete)

- Learn how you can model the solar system and about the other planets and moons that orbit our sun at the Denver Astronomical Society booth.
- Investigate the sun at the same booth.
- Discover the stars and constellations and then at night go see what you've learned about at the same booth.
- Use the tools to explore at the booth and learn about what tools astronomers use to study the solar system.
- This is the same as above (typo?)

## **Cadette Badges**

Eco Trekker: Requirements #1, 2, 3, 4

- Learn how to make a minimal impact on a trek at the Leave No Trace booth.
- Plan your hike of Dinosaur Ridge as an Eco Trek.

- Practice an Eco skill in your Dinosaur Ridge trek.
- Make a difference on your Eco trek of Dinosaur Ridge by collecting some trash, promoting the well-being of Dinosaur Ridge, and not taking any rocks, fossils, plants, or animals from Dinosaur Ridge.

Journey: Breathe: Requirement #1

- Learn about the air we breathe by talking to Dr. Libby Prueher, a climate scientist at the Libby Talks booth.

## **Senior Badges**

Eco Trekker: Requirements #1, 2, 3,

- Meet Dr. Libby Talks, and environmental scientists at the Libby Talks booth.
- Explore biodiversity at the bird conservancy booth.
- Investigate a global ecosystem issue at the Libby Talks and NREL booths.

Sky: Requirements #1, 4

- Watch the skies during your hike of Dinosaur Ridge.
- Learn about how you can help sky pollution at the Libby Talks and NREL booths.

## **Ambassador Badges**

Eco Advocate: Requirements #1, 2, 3

- Talk with Dr. Libby Prueher, an eco advocate and environmental scientist at the Libby Talks booth.
- Learn about some environmental issues at the same booth and pick one that you are passionate about.
- Learn about solutions to this issue at the same booth.

Journey: BLISS: Live It! Give It!: Requirement #1

- Learn about women who successfully pursued their goals at the Molly Brown House Museum and Legendary Ladies booths.

Journey: Justice: Requirement #1

- Investigate global environmental issues and how you could make a difference at the Libby Talks and NREL booths.