Bandelier National Monument

Junior/Deputy Ranger Booklet

For All Ages

Name: ________________________________
Map & Directions

Activities in this booklet should be done while you are hiking the Main Loop trail. Look on the map for a shady location with a bench to complete your next activity.

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HOW TO BECOME A Bandelier Junior/Deputy Ranger:

Complete the 4 activities for your age group + everyone must complete the Respect and Protect Activity on Page 4:
1st grade and under complete the green pages
2nd - 3rd grade complete the red pages
4th - 6th grade complete the blue pages
7th grade and up complete the yellow pages.

You can replace any activity with an activity from a higher age group but not a lower one.

Return to the visitor center and give this booklet to a Ranger to complete your challenge.

Make sure to bring the following items on your exploration:
- water
- snacks
- sunscreen
- weather appropriate clothing.

Please refer to the map (on opposite page) and find the shady places with benches on the trail to complete your activities.

DON’T FORGET: water, sunscreen, weather appropriate clothing and SNACKS!!!
RESPECT and PROTECT

Fill in the blanks!

This activity is very important. Everyone must complete it before starting on your challenge in the rest of the park. We suggest that you go to the back porch to do this activity.

1. Stay on the _ _ _ _ _.  
2. Climb only on the _ _ _ _ _ _ _ .  
3. Look for _ _ _ _ _ _ _ to pick up.  
4. Do not _ _ _ _ _ _ _ _ or _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ the animals.  
5. Leave rocks, pine cones, lizards and anything else that _ _ _ _ _ _ _ here in its _ _ _ _ _ _ _ .  
6. Respect the other visitors by speaking in a _ _ _ _ voice.
Talus House Dot to Dot

Connect the dots to see the homes that used to be in front of the cave.

Hey you! I know you are busy looking up at the cliffs and everything, but don’t forget about me down here. While you are exploring the scenery, please stay on the trail. Otherwise, you may be stepping on my home, or my tail. Yikes!
Bandelier Bingo
During your visit, put an X or a line through the things you see or hear. 4 in a row or a diagonal is a bingo!

<table>
<thead>
<tr>
<th>Bandelier Bingo</th>
<th>Butterfly</th>
<th>Bird</th>
</tr>
</thead>
<tbody>
<tr>
<td>Squirrel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pinecone</td>
<td></td>
<td>Spider</td>
</tr>
<tr>
<td>Flower</td>
<td>Cliff Dwelling</td>
<td>Village</td>
</tr>
<tr>
<td>Flying Insect</td>
<td>Ladder</td>
<td>Lizard</td>
</tr>
</tbody>
</table>

Empty squares are FREE, fill them in with a drawing of something that you see.
Native Plant Uses - Matching Activity

Do this activity in the native plant garden behind the visitor center. Plant uses are written on signs. Draw a line to connect the plant to its use.

Prickly Pear

Soap

Three Leaf Sumac

Food

Yucca

Drink
Wildlife Signs

Be sure to look for wildlife, or signs of their presence, along the trail. Draw a line between the animal and its sign. Then, fill in the blanks.

I am a small mammal that lives in the ponderosa pine trees. I eat branches and seeds. People sometimes think I look like a rabbit because of my hairy ears.
Who am I? _ _ _ _ _ ' _ _ _ _ _ _ _ _ _

I am a large furry black mammal that can climb trees. I eat berries, bugs and roots. I come to Frijoles Canyon to drink water from the creek.
Who am I? _ _ _ _ _ _ _ _ _

I am a noisy black bird that says, “CAW! CAW!” See me in the sky or look for my black feathers on the ground.
Who am I? _ _ _ _ _

I am a medium-sized mammal with hooves. If I am a buck, I regrow antlers every year. Look for me and my tracks at Bandelier.
Who am I? _ _ _ _ _ _ _

I am a small bird. I eat seeds and fruit. Look for me walking up and down the trunks of trees.
Who am I? _ _ _ _ _ _ _ _ _
Find a Ponderosa Pine

When you are on your way back to the visitor center, stop where you see tall evergreens. Look at the trees.

Check the boxes that apply to your tree. If you check 3 or more, it’s a ponderosa!

This tree’s bark looks like a jigsaw puzzle, and has shades of color from yellow to dark brown.

This tree has long needles that grow in bunches of three, and big pine cones.

Beneath this tree, I see chewed up pinecones, signs that a squirrel has been enjoying the delicious seeds inside.

This tree is tall and skinny.

Now stand close to the tree and smell the bark. What does it smell like?__________
Interview with a Ranger

Find a Ranger in the park to interview. Ask them the following questions, and record your answers here.

**Question:** What is your name? How long have you been a Park Ranger?

**Answer:** __________________________________________________________

_____________________________________________________________________

**Question:** Why do you think your job is important? Why do you enjoy it?

**Answer:** __________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

**Question:** _______________________________________________________

**Answer:** __________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

**Question:** _______________________________________________________

**Answer:** __________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

_____________________________________________________________________
Inside a Cavate Home

At stop #14, climb the ladder into the cavate. Once inside, sit to the side and notice everything around you. Where would you do the following activities if this were your home 600 years ago?

**BUILD a fire, STORE food in pots, SLEEP**

Draw or write your answers onto the image here:

Would you like to live in this cavate? Why or why not?

_________________________________________

_________________________________________

_________________________________________

What would you miss from your life today?

_______________________________________

_______________________________________

_______________________________________

Please stay on the trail. I may be waiting if you don’t.
Why do we Protect and Respect?

In this activity, you are going to answer that question. Draw or describe the effects these changes would have on Bandelier.

Help us stay healthy. Please do not feed us!

<table>
<thead>
<tr>
<th>If each park visitor fed a squirrel...</th>
<th>X 300,000 visitors</th>
<th>... what would happen?</th>
</tr>
</thead>
<tbody>
<tr>
<td>If each park visitor collected rocks or pottery sherds...</td>
<td>X 300,000 visitors</td>
<td>... what would happen?</td>
</tr>
<tr>
<td>If each park visitor walked off the path...</td>
<td>X 300,000 visitors</td>
<td>... what would happen?</td>
</tr>
<tr>
<td>If each park visitor wrote on a wall...</td>
<td>X 300,000 visitors</td>
<td>... what would happen?</td>
</tr>
</tbody>
</table>
Think Like an Archeologist

As you see the structures along the main loop trail, be very observant. If your group has a trail guide, read it to learn more about these structures in Ancestral Pueblo times. Now think like an archeologist. What questions would you ask about each of the structures? Write 2 questions about each.

STOP #4: Big Kiva
1) _____________________
   _____________________
   _____________________
2) _____________________
   _____________________
   _____________________

STOP #7: Tyuonyi
1) _____________________
   _____________________
   _____________________
2) _____________________
   _____________________
   _____________________

STOP #11: Cavates
1) _____________________
   _____________________
   _____________________
2) _____________________
   _____________________
   _____________________

How would you get answers to your questions? ____________________________
Bandelier Diamante

For this activity, you are going to write a special kind of poem, called a diamante, about your experience at Bandelier. Follow the directions below.

Diamante poems are shaped like a diamond. They are 7 lines long, and have a special pattern. Just fill in the blanks below with the type of word written beneath the blank.

EXAMPLE:

Abert’s unique, energetic eating, running, climbing fur, gray, tail, ears digging, foraging, nibbling cute, squirrely squirrel

A noun is a person, place or thing.

A participle is an action word that ends in ING.

An adjective is a word that tells about a noun.
What happened here?
Each animal here is pictured next to its tracks. In the box below, draw a story using the tracks and other signs of one or more of these animals.

Using words this time, tell the story of what happened here:

________________________________________________________________________________
________________________________________________________________________________
________________________________________________________________________________

Don’t forget to look for tracks and signs of wildlife throughout your entire visit!
Alien Invasion

Introduction of alien (non-native exotic species) plants onto our public lands is threatening the survival of native plants like the ones you see in this garden. Alien plants take up space or drink scarce water and push the native plants out. Musk thistle and mullein are two examples of aliens causing problems at Bandelier.

NATIVES vs. ALIENS

cholla

yucca

prickly pear

Four-winged saltbush

Three-leaf sumac

mullein and musk thistle

How do you think these plants were introduced into the park?

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

What could you do to get rid of them?

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
Be a Park Superintendent

Imagine you are the superintendent of Bandelier, which means you would oversee and manage this whole park. Your job would be to make a decision about how to protect this special place for future generations. Choose one or more of these issues and propose a solution:

Conservation Issues:
• Theft of pottery sherds
• Graffiti in cavates and on cliffs
• Poaching wildlife
• Feeding wildlife
• Dogs off leash
• Hiking off designated trails
• Illegal campfires

Your issue(s) of choice:

________________________________________________________________________

________________________________________________________________________

Your solution(s):

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
Reintroduce Native Species?

When the Ancestral Pueblo people lived in Bandelier many animals lived here that are not found here today. Either their habitats have changed too much, like many of the fish in the Rio Grande, or they were hunted out of the area. Many of these species are listed below. Read them, then decide:

Which species do you think could be reintroduced? Why?

________________________________________________________________________

________________________________________________________________________

What can you do to help keep other species from disappearing from their original habitat or completely from the earth?

I am a Jemez Mountain Salamander. I live only in the mixed conifer forests of the Jemez Mountains. I am endangered because of logging, road construction, disease and mining.
For this activity, you will be thinking about the National Park Service as a whole, beyond your experience at Bandelier. There are over 380 units in the National Park Service (NPS), each established for different reasons.

What is your favorite NPS area? Why?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Why is it important to protect these special places as part of a national park system?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
Junior Ranger Pledge

As a Junior Ranger, I promise to explore the wonders of the National Parks and nature all around me; and to live every day as earth’s best friend; and to help others do the same.

To learn more about the online NPS Junior Ranger program, visit www.nps.gov/webrangers.