The Manhattan Project National Historical Park is a partnership between the National Park Service and the Department of Energy that tells the stories of top-secret sites in Los Alamos, NM; Hanford, WA; and Oak Ridge, TN that were created as part of the Manhattan Project during World War II. Aimed at developing an atomic weapon before Nazi Germany, the Manhattan Project successfully produced two of the most powerful weapons the world had ever seen, helping bring an end to the war and ushering in the Atomic Age.

**Junior Ranger Program**

National Parks are very special places that protect the most important stories in our nation’s history and allow all visitors to experience our heritage. This handbook will help you discover why the Manhattan Project National Historical Park is one of these special places. Allow about 3 hours to earn a Junior Ranger badge.

Activities in this book can be completed by taking a Pre-Manhattan Project Historic Tour. Stop by the Visitor Contact Station for more information. The office is open Monday through Saturday from 8 a.m. to 4 p.m. Pacific Time.
Some other historic spots in our area:

- B Reactor National Historic Landmark
- “Alphabet” homes built for Manhattan Project workers
- The USS Triton Sail Park
- Sacajawea State Park
- Whitman Mission National Historic Site

**Questions?**
Call or visit the Visitor Contact Station and Tour Headquarters for the Manhattan Project National Historical Park’s Hanford Unit at:

2000 Logston Boulevard
Richland, Washington  99354
(509) 376-1647

**Visit us online!**

[www.nps.gov/mapr](http://www.nps.gov/mapr)
[tours.hanford.gov/historicTours/](http://tours.hanford.gov/historicTours/)
[Twitter@MnhtnProjectNPS](https://twitter.com/MnhtnProjectNPS)
[www.facebook.com/ManhattanProjectNPS](http://www.facebook.com/ManhattanProjectNPS)
What is a Junior Ranger?

Someone like you who completes Junior Ranger activities and promises to care for our national parks. Have fun exploring! You can earn your badge on your tour today. When you are done, take this handbook to the Visitor Contact Station and show it to one of the staff.

To earn a badge, complete at least 8 handbook activity pages.
Designed in 1951, the arrowhead is the National Park Service symbol. Look at it carefully. Each part represents something that park rangers protect. Fill in these words to decode the Arrowhead.

bison    sequoia tree    lake    arrowhead    mountain

The ___________________________ represents plants.
The ___________________________ represents animals.
The ___________________________ represents scenic landscapes.
The ___________________________ represents water resources and recreation.
The ___________________________ represents history and culture.
Did You Know?

In 1872, Yellowstone National Park became our country’s first national park. In the early years, most national parks were in the western states. This is why the badge has western symbols. Today, the National Park System includes seashores, battlefields, monuments (like the Statue of Liberty), huge wetlands, scenic rivers, islands, and parks focused on history (like Manhattan Project National Historical Park). Record how many arrowheads you see during your visit. Can you spot them on signs, cars, brochures, and uniforms?

List any other national parks you have visited.

- ____________________________________________
- ____________________________________________
- ____________________________________________
- ____________________________________________
- ____________________________________________
- ____________________________________________
- ____________________________________________
- ____________________________________________
- ____________________________________________
- ____________________________________________
- ____________________________________________
- ____________________________________________
- ____________________________________________
- ____________________________________________
Manhattan Project National Historical Park
Kids in Action Challenge:

There are many fun ways to get moving in this national park. Our challenge to you is to do one of the following activities for each year of your age. For example, if you are 8 years old, we’d like you to complete 8 things on our list. Check the square when you finish each one.

☐ I found the faces in the chimney on the structure at Bruggemann’s farmstead.
☐ I saw the remains of a round silo at the Bruggemann’s farmstead.
☐ I drove along the old railroad bed that Sage Brush Annie travelled down.
☐ I saw the HIPC Pump House and the beginnings of the Hanford Ditch.
☐ I discovered the strange mounds of earth called mooli-moolis.
☐ I saw the White Bluffs Ferry landing and walked down to the Columbia River.
☐ I looked into the White Bluff’s Bank and saw the old safe.
☐ I visited two different locations where the town of White Bluffs was located.
☐ I saw Gable Mountain and Gable Butte.
☐ I saw what is left of the old Hanford High School.
☐ I saw my first ______________________.
☐ I drove past the location where Lake Hanford was located.
☐ I stood where the Hanford Construction Camp was located.
☐ I saw a picture of one of the mess halls at the Hanford Construction Camp.
☐ I saw an old piano that belonged to a family that lived in White Bluffs.
☐ I saw the following wildlife: ________________________________

______________________________________________________________

☐ I saw rusted pieces of an old car at the HIPC Pump House.
Identify the structures / locations below that were present on the Hanford site prior to the arrival of the government in 1943.

1. _______________________
   _______________________
   _______________________
   _______________________

2. _______________________
   _______________________
   _______________________
   _______________________

3. _______________________
   _______________________
   _______________________
   _______________________

4. _______________________
   _______________________
   _______________________
   _______________________

8
Native American Challenge

There were several Native American tribes who utilized the lands and waters that became part of the Hanford site in 1943. How many can you name?

________________________________________________________

Chemna village, located where the Yakima River flows into the Columbia River, was where William Clark, of the Lewis and Clark expedition, documented an event for the first time in 1805. What was the event? ______________________________________________

Match the Native American term with today’s term:

____ Nookshai a. Rattlesnake Mountain
____ Washani faith b. Columbia River
____ Chiawana c. Horn Rapids
____ Mooli Mooli d. Gable Mountain
____ Laliik e. Yakima River
____ Tapteal f. Little stacked hills or land bubbling up
____ Wanawish g. Dreamer religion
Early European-American Settlers

The _______________ Act was passed in 1862 in order to encourage people to move west and farm the land and was signed by President ____________________________.

List at least three challenges that the early settlers faced in eastern Washington.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

If you were child growing up on a farm in the Priest Rapids Valley, what might some of your daily chores have been? ____________________________

________________________________________________________________________

________________________________________________________________________

What important service did Sage Brush Annie provide to the orchardists? ________________

________________________________________________________________________

How did the Newlands Reclamation Act of 1902 improve agriculture in the Columbia Basin?

________________________________________________________________________
Pre-Manhattan Project Timeline

Fill in either the year an event occurred or the event itself if the year is provided.

**1894**

Event: 

The year the town of White Bluffs was first established.

Year: 1894

Year: 

The year the second location of White Bluffs was established.
Year: ________________
The year the town of Hanford was established.

Event: __________________________
______________________________
______________________________

Year: ________________
The year the Hanford High School burned down.

Event: __________________________
______________________________
______________________________
**Priest Rapids Valley Who’s Who:** Match the person with his or her description.

___ Sam Allard  

  a. Fruit packer who received a letter from a hotel chef in Alexandria, Egypt regarding a crate of pears purchased from Priest Rapids Valley.

___ Manly Bostwick Haynes  

  b. Very successful German immigrant who raised peaches and apricots in Priest Rapids Valley.

___ Mary Cox  

  c. A Seattle area judge for whom a town in the mid-Columbian basin was named for.

___ George Borden  

  d. Businessman who was the brainchild behind the effort to irrigate the Priest Rapids Valley; he also established the town of Hanford.

___ Paul Bruggemann  

  e. He operated the pump house owned by the Hanford Irrigation and Power Company.

___ Cornelius Holgate Hanford  

  f. He operated the White Bluffs ferry and drowned in the Columbia River in 1906.
Pre-Manhattan Project NHP Hidden Word Search

Can you find the fruits, crops and other agricultural products grown by the farmers that were displaced by the arrival of the government to the mid-Columbia Basin in 1943?


Mint Grapes Asparagus Apricots
Strawberries Cherries Peaches Tomatoes
Rye Grass Timothy Potatoes Pears
Corn Apples Alfalfa Onions
Word Jumble

The answers to the questions below are jumbled. Can you straighten the words out?

On what river was Wanawish ("rock dam fishing place") located on?

KIMYAA ___ ___ ___ ___ ___

What was discovered on Rattlesnake Mountain while drilling for water?

TURALAN AGS ___ ___ ___ ___ ___ ___ ___

What’s the name of the family that owned the stone building with the faces on each side of the chimney?

GEMGNUANRBN ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

What were the names of the three main towns in this area prior to 1943?

DLANHRCI, DORHFNA, TIWEH LUFSFB

What was the nickname of the railroad that ran past White Bluffs and to Hanford?

GSAE UBRHS NAIEN ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

What structure carried water from the Allard pump house to Hanford?

FNOHDRA HTDCI ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

Can you find the secret word? Take the letter with a number under it above and place it in the space with the same number below:

1 2 3 4 5 6 7 8 9 10
1. Circle your own state.
2. Trace your trip from your home to the Manhattan Project National Historical Park at Hanford.
3. Put a star where Los Alamos, NM and Oak Ridge, TN are located.
4. Name the National Park that is closest to your home:

Manhattan Project National Historical Park
Hanford, WA
Amazing! See if you can find your way from Bruggemann’s farm to Hanford HS.
I Saw That! Draw a line through each item as you see it. How many: ____________
**Junior Ranger Pledge**

As a Junior Ranger of Manhattan Project National Historical Park, I promise to keep learning more about the history and legacy of the Manhattan Project and help preserve the park for future generations.

This certifies that ________________________________, age _________, has successfully completed the requirement of a Junior Ranger on this ________day of ____________________________, 20 ________.

Reviewed by Park Staff Member ________________________________.

Name of Park Staff Member

If you can’t return to the Visitor Contact Station, mail your handbook to:

Manhattan Project National Historical Park – Hanford Unit  
2000 Logston Boulevard  
Richland, Washington 99354

Tell us where to mail your badge (if necessary):

Name ________________________________
Address ________________________________
City ________________________________
State __________________________ Zip __________

**Park Stamps and Memories:**