

# HERE'S THE DEAL

This is an open-ended, self guided opportunity for you to explore something of interest to you in Yellowstone National Park. While you decide specifically what you will be studying, it needs to be something in the field of geology or microbiology.

**Locations to investigate questions in these fields include:**

- Wayside exhibits in the Upper Geyser Basin or exhibits in the Canyon Visitor Education Center.
- Any thermal area such as the Upper Geyser Basin or Mud Volcano.
- Grand Canyon of the Yellowstone.

It may be helpful to use a Young Scientist toolkit. You can check out a Young Scientist toolkit at the Old Faithful Visitor Center. The toolkit can only be used in the Upper Geyser Basin. The time limit for using the kit is three hours.

Kit due back at \_\_\_\_\_.

# REQUIREMENTS

As you read through this tale of high adventure, you will be presented with portions to author yourself. In doing so, you will have a chance to become actively engaged in your own scientific investigation. Below are the requirements necessary to become an official Young Scientist:

<b>SECTION</b> Specific directions for each section can be found at beginning of the section.	<b>PAGE</b>	<b>REQUIREMENTS</b> You must complete at least the following activities to earn the Young Scientist award.	<b>COMPLETED</b> Put a check in this box once you have completed the requirements.
Agreement to follow park rules	Inside Front	Sign agreement.	<input type="checkbox"/>
Scientist Profile	2-3	Complete profile.	<input type="checkbox"/>
Observations	6	Record five detailed observations.	<input type="checkbox"/>
"Review of Literature"	7-10	Gather five pieces of information or evidence from wayside exhibits in the Upper Geyser Basin or exhibits in the Canyon Visitor Education Center.	<input type="checkbox"/>
Question	10	Design a problem question to investigate.	<input type="checkbox"/>
Hypothesis	11	Create a testable hypothesis.	<input type="checkbox"/>
Materials/Tools List	11	Complete list.	<input type="checkbox"/>
Field Data Collection	12-15	Gather five pieces of data in the field.	<input type="checkbox"/>
Conclusion	16	State conclusion and reasons behind conclusion.	<input type="checkbox"/>
Further Investigation	16	Write idea for a new investigation.	<input type="checkbox"/>

Official title of **YOUNG SCIENTIST** awarded to:

\_\_\_\_\_ on \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ by \_\_\_\_\_  
 Name Date Ranger's signature

You can also send your completed investigation to: Education Office, P.O. Box 168, Yellowstone National Park, WY 82190

Visit [www.WindowsIntoWonderland.org](http://www.WindowsIntoWonderland.org) to take part in free e-trips to Yellowstone National Park. To learn more about your national parks and to become a WebRanger, visit [www.nps.gov/webrangers](http://www.nps.gov/webrangers).