



# *Bridging the Watershed*

An Outreach Program of the Alice Ferguson Foundation in Partnership with the National Park Service and Area Schools

→ **Attention High School Science Teachers** ←

Bridging the Watershed is conducting the  
**2007 SUMMER TEACHER/RANGER INSTITUTE**  
at  
**Manassas National Battlefield Park**  
**June 25 - 26, 2007**

***Bridging the Watershed* (BTW) is**

a high school educational science program that provides personally meaningful educational experiences that connect students to their place in the natural and cultural world. The uniqueness of learning through national parks in the Potomac watershed inspires lifelong civic responsibility. To learn more about BTW, log onto to the website at <[www.bridgingthewatershed.org](http://www.bridgingthewatershed.org)>.

**The main component of BTW is the connection of classroom curricula to the real-world.**

Curriculum modules have been developed in which students study ecology, geology, and water quality of the Potomac River basin. BTW curricula can be applied to environmental science, Earth science, biology, and chemistry courses and is aligned with National Standards for Science Education and State Core Learning Goals/Benchmarks. After students have completed lessons in the classroom to enhance their knowledge of a relevant issue in the watershed, they participate in a field study in a local national park and collect authentic data dealing with water quality, bio-indicators of water quality, exotic invasive species, runoff and sediment in the river and/or trash in the Potomac watershed. While in national parks, students are presented with opportunities to make intellectual/emotional connections to the environment.

**This BTW summer institute will prepare teachers to**

incorporate one or more of the *BTW* stand-alone curriculum modules into science courses. This five-day institute will take place at Manassas National Battlefield Park and Prince William Forest Park. During the five-day institute, participants will explore the Potomac watershed to learn the local history, geology, and ecology and work with student investigations in the BTW curricula. An integral part of the institute is an opportunity for teachers to engage in a field study in the two parks to collect and analyze authentic data.

**Building bridges between national parks and schools**

has been a main focus for BTW. The goal is to reach high school students and heighten their awareness of the real-world issues in their backyard—the Potomac watershed. During the institute, teachers and national park rangers (and volunteers in national parks) work together engaging in activities students will do in the classroom and work together in the parks getting their “feet wet” engaging in field studies.



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WHO IS ELIGIBLE?	High school (grades 9 – 12) environmental science, Earth science, chemistry, biology, integrated physics teachers, national park service rangers and volunteers in the park
ITINERARY	During this five-day institute, participants will learn BTW curricula and strategies to implement hands-on activities in the classroom, engage in field studies in national parks, keep a field journaling notebook, and complete a project due at the end of the Institute.
INSTITUTE DATES	June 25 - 26, 2007
INSTITUTE TIMES	8:30 AM – 4:30 PM
LOCATIONS (in the field and in the classroom)	Manassas National Battlefield Park Prince William Forest Park
STIPEND and STIPEND REQUIREMENTS	\$250 for teachers for full participation in the five-day institute <b>plus</b> a follow-up field study with high school students in a national park September or October, 2007. Stipends will be issued November 1, 2007.
TEACHER REGISTRATION	A \$50 registration fee must be received with application. Make checks payable to Alice Ferguson Foundation. Your check will be returned if your application is not accepted. Registration fees are not refundable after May 30, 2007.
APPLICATIONS	Application, supporting documents, and registration fee must be received by May 15, 2007. No faxes please.

**FURTHER INFORMATION**

Contact: Jeanne Troy  
Phone: 301-292-8757  
[jtroy@fergusonfoundation.org](mailto:jtroy@fergusonfoundation.org)



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# TEACHER APPLICATION

2007 BTW Summer Institute  
Manassas National Park and Prince William Forest Park  
June 25 - 26, 2007

**Applications must be received by May 15, 2007. Apply early; enrollment is limited.**

## I. General Information

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
Home Phone \_\_\_\_\_ Cell (Optional) \_\_\_\_\_  
Email Address \_\_\_\_\_  
Years of Teaching Experience \_\_\_\_\_  
Highest Degree held \_\_\_\_\_ Discipline: \_\_\_\_\_  
Previous Environmental Science Background \_\_\_\_\_

## II. School Information

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
County \_\_\_\_\_  
School Phone \_\_\_\_\_ Fax \_\_\_\_\_  
School (check one) Public  Private  Parochial

## III. Supporting Paragraph from School Principal

A paragraph of support is requested from your school principal on school letterhead. Suggestions and comments about support for providing students with a meaningful bay experience are invited. Please submit the paragraph of support either with this application or separately, by mail, before the deadline.

## IV. Personal Statement

Bridging the Watershed is partnership and exists primarily to create future stewards of their watershed. Include a one-page summary of your reason(s) for applying to this institute and an indication that you would be willing to work with BTW to provide students with field studies in national parks.

Mail application and supporting documents to:

**Jeanne Troy**  
**Alice Ferguson Foundation**  
**2001 Bryan Point Road**  
**Accokeek, MD 20607**

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**RANGER and VOLUNTEER APPLICATION**

**2007 BTW Summer Institute  
Manassas National Battlefield Park and Prince William Forest Park  
June 25 - 26, 2007**

**Applications must be received by May 15, 2007. Apply early, enrollment is limited.**

Name \_\_\_\_\_

Park \_\_\_\_\_

Park Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone \_\_\_\_\_

Cell Phone (Optional) \_\_\_\_\_

Fax \_\_\_\_\_

Email Address \_\_\_\_\_

Position Description \_\_\_\_\_

Previous Environmental Science Background \_\_\_\_\_

Have you facilitated education programs in parks? \_\_\_\_\_ If yes, describe. \_\_\_\_\_

**Required Signatures:**

\_\_\_\_\_  
Applicant's Signature

\_\_\_\_\_  
Supervisor's Signature

\_\_\_\_\_  
Supervisor's Name Printed

Mail application to:

**Jeanne Troy  
Alice Ferguson Foundation  
2001 Bryan Point Road  
Accokeek, MD 20607**



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