

**Newburgh Teacher Center**  
**In-service Course Proposal**  
 Page #1  
**Return by October 30, 2009**

Title:	Black Rock Forest I		
Curriculum Area:	Science		
Learning Standards:	1, 2, 4, 6, 7		
Presenter(s):	Velma K. Garey	Email:	vgarey@newburgh.k12.ny.us
Dates:	March 10, March 20, March 27		
Time:	Wednesday 4:15 -7:15, Saturdays 9-3		
Location:	NFA Room 252, Black Rock Forest		
Credit(s):	1		
Hours:	15		
Target Audience:	Teachers new to using the forest as a classroom, elementary and secondary.		
Course Description:	<p>Participants will explore areas of the forest and develop activities to use with a class in the forest. Participants will have an opportunity to increase their familiarity with the forest so they will feel comfortable coming with their classes. Teachers will have the opportunity to utilize the Education Center and its resources. One major resource is access to scientifically based research that is currently being conducted in the forest by consortium members on the post-secondary level. Teachers and students may become actively involved in this research or conduct similar scientifically based research projects. Teachers will participate in classroom and forest activities that meet NYS Standards.</p>		
Course Requirements:	<p>Attendance at <b>all</b> sessions.          Physical ability to hike on uneven, steep and rocky forest trails; and to spend 6 hours in the woods.          Participation in classroom and forest activities.          Designing forest activities/lesson plans.</p>		
Maximum Enrollment:	20		

# Newburgh Teacher Center

## In-service Course Proposal

p. #2

*Credit and permission granted by Jay McTighe – UbD*

**Name of In-service Proposal:** Black Rock Forest Teacher Training I

**Name of Instructor(s):** Velma K. Garey

### Desired Results

**Goal(s):** To further acquaint participants with the forest and its resources. To develop new or modified activities to be used in the forest and extended to the classroom as short or long-term projects. Incorporation of ELA in the teaching of science content. How the forest can be used across the curriculum in a one day visit.

**Understanding(s):** The forest is science based but a visit can integrate history, English, math, science and art.

**Essential Question(s):** How do you use points on a map to find your way in the forest? How can we use shadows to tell time? How do we really know glaciers were once here? How do rocks become sediments? How do we know what direction North is without a compass?

**Knowledge/Skills:** Participants should be able to develop and implement activities developed for their grade level. Implementation will allow for feedback from class participants and modifications as needed.

### Assessment Evidence

**Direct Evidence:** Formal and informal activities developed and implemented in the forest.

### Learning Plan

**Learning Activities:**

Presentation of forest lesson plans.  
Discussion and critiquing of lesson plans.  
Familiarity of the forest trails and resources.