

Newburgh Teacher Center
In-service Course Proposal
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| Title: | Black Rock Forest Teacher Training III |
| Curriculum Area: | Science, Math, Technology |
| Learning Standards: | 1,2,4,6,7 |
| Presenter(s): | Velma K. Garey |
| Dates: | Oct 21, Oct 24; Nov 7 |
| Time: | Wednesday, 4:15 - 7:15; Saturdays, 9-3. |
| Location: | NFA, Room 252; Black Rock Forest |
| Credit(s): | 1 |
| Hours: | 15 |
| Target Audience: | K-12 Teachers |
| Course Description: | This course is an extension of Course I & II. Participants will explore new remote areas of the forest and develop new 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. Familiarity with the online real time data will be developed. This will include 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. |
| Course Requirements: | Attendance at all sessions. Physical Ability to hike on uneven, rocky forest trails and to spend 6 hours in the woods. Participation in classroom and forest activities. Designing forest activities/lesson plans. Teachers who have completed Course I or II will be given preference. |
| Maximum Enrollment: | 20 |

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Credit and permission granted by Jay McTighe – UbD

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

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, art, welding and home and career skills.

Essential Question(s): How to integrate all subjects into a forest activity? 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? Orienteering, what is it and how do I set up a course in the woods? How do we assess students in the forest on their knowledge of local and global impact of pollution and increased forest use?

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.