



Erie 1 BOCES and The Buffalo Museum of Science

Presents

Science is Elementary

A Professional Development Series for PreK-Grade 6 Teachers

1020 Humboldt Parkway
Buffalo, NY 14211
(716) 896-5200 x392

Join the Buffalo Museum of Science for a collaborative workshop series geared to help teachers infuse science across disciplines.

Day 1 (6 hours): The Science Museum and Tiff Nature Preserve—dress appropriately to be outside!

Friday December 19, 2008 9am –12 noon: Meet at the Buffalo Museum of Science

- A) A behind the scenes tour of the Museum's collections
- B) Hands-on programming in the Explorations Gallery, grades preK-2 or Connections Gallery, grades 2-8
- C) How to utilize the Museum's unique resources

Lunch (12-12:45) Head over to Tiff Nature Preserve

1pm-4 pm: Meet at Tiff Nature Preserve (outdoor component)

- A) Science and Social Studies Connections: Learn about the past land uses of Tiff
- B) Tiff Tour: Walking tour of Tiff, discussion on how educator's can utilize the outdoors in their teaching (possible snow shoeing if enough snow)
- C) Aquatic Ecology: Incorporating scientific experiments into a variety of subject matters. Skills discussed: observations, measuring, classification, literacy (journaling, etc.)

Day 2: Inquiry; *Engaging students in asking the right questions*

Wednesday February 4, 2009 from 4-7 pm: Meet at the Buffalo Museum of Science

- A) Explore different levels of inquiry, how one teaches from an inquiry perspective, MST standards, and what the research says about teaching from an inquiry perspective
- B) Using Discrepant Events to initiate inquiry
- C) Doing Inquiry: Engage in inquiry based activities and then work collaboratively on designing your own inquiry based lesson to take back to your classrooms

Day 3: Science and Literacy; *Preparing Students to be literate in today's global marketplace*

Wednesday March 11, 2009 from 4-7 pm: Meet at the Buffalo Museum of Science

- A) Literacy across disciplines
- B) Reading an object, connecting observation to literacy
- C) Design an activity that infuse literacy and science into your classroom

Day 4: Utilizing Your School Yard

Wednesday April 29, 2009 from 4-7 pm: Meet at the Buffalo Museum of Science

Ways to explore your own sidewalks, cracks, parking lots and school buildings for alternative ways to get kids collecting and observing scientific phenomenon. You will explore an actual school yard and learn ways to integrate ideas into your classrooms.