

## Nonpublic Middle School SEE Seminars - Spring 2012

### ***Science Beneath the Sea Floor (NEW)***

Friday, January 13, 2012

Seminar Time: 9:30 AM – 2:00 PM

Location: North Museum of Natural History and Science

Presenters: Jim Ringlein (North Museum) and Wendy Martin (Science in Motion)

Description: On January 13, Elizabethtown College is bringing its **Science in Motion** to the North Museum, and SEE students have been invited to attend. This program will combine a unique museum exhibit, a first person account of a 2011 research expedition to the sea floor, and great hands on experimentation related to the science used to study unique organisms that live in the most remote and extreme environment on earth. The focus will be on the "how and why" of sub seafloor research. SEE students always enjoy the hands-on experiences at the North Museum. If students are fascinated by the underwater world of the ocean, this will be an excellent learning experience involving DNA testing and chromatography. The North Museum recommends this experience for strong science students at the middle school level.

### ***Environmentally Speaking: Special Winter Wonders! (NEW)***

Tuesday, February 21, 2012 (Weather Cancellation Day - February 27)

Seminar Time: 10:00 AM – 2:00 PM

Location: County of Lancaster Parks Department: Environmental Center

Presenter: Lisa Sanchez

Description: On a cold February morning, do you need to some interesting reminders about why winter is such a great season? Do you pause to study the changes to the ecosystem and wildlife habitats in the winter? Here is your chance to explore our local winter environment. Lisa Sanchez, park naturalist and SEE presenter, has a great day planned, highlighting many things that can only be experienced in the winter!

Do you like REAL maple sugar on your pancakes? At this "sweet" SEE seminar, you will experience the history, collecting, boiling, finishing, and candy-making stages of maple sugaring. There will even be time for tasting! You will also explore how animals survive the winter. This seminar will explore wildlife migration, hibernation, and winter activity habits. A hike through the woods will offer an opportunity to find signs (like tracks and scat) that the animals that are active throughout the cold days of February.

### ***COSI Electronic Education: Total Knee Replacement (Live Videoconference)***

Wednesday, March 14, 2012

Seminar Time: 9:45 AM – 12:45 PM

Location: The Conference & Training Center at IU 13

Presenter: Center for Science and Industry (COSI)

Description: Students attending this workshop will see a live knee replacement surgery from start to finish via videoconference! Those participating will have a truly memorable and powerful learning experience by being able to ask questions and interact with surgeons and medical personnel in the operating room, while watching a live, ninety-minute operation. There will be an information guide to be handed that details the actual surgical procedure and possible associated careers. Don't miss it!

**NOTE:** Due to the nature of this seminar, it is not for the weak of stomach!

***Shakespeare On Your Feet!***

Thursday, March 22, 2012

Seminar Time: 9:00 AM - 12:00 PM

Location: The Conference & Training Center at IU 13

Presenter: Laura Howell

Description: There is no need to fear William Shakespeare after you participate in this workshop. After all, Shakespeare was a playwright (and an actor, too!) who wrote plays that were meant to be played to audiences with players performing in a playhouse. In case you missed the message, we will *play* with Shakespeare. We will break the myth that Shakespeare is only for the elite intellectuals as we breathe life into his texts and characters and discover the poetry and deep humanity of his words as actors still do today.

***Rock Ford – Historical Trial & Plantation Tour (NEW)***

Tuesday, April 17, 2012

Seminar Time: 9:30 AM - 1:30 PM

Location: Historic Rock Ford Plantation

Presenter: Cindy Trussell

Description: In September of 1780, British Major John Andre found himself in the wrong place at the wrong time. Major Andre's trial for espionage revealed the treacherous plot between British General Henry Clinton and American General Benedict Arnold. The plot involved the surrender of the American fort at West Point to the British. Major Andre served as the messenger between Clinton and Arnold. Luckily, for the future of the United States, Andre was captured and the conspiracy was ruined. However, excitement and intrigue seemed to plague Major Andre and his trial lacked neither excitement nor intrigue. General Washington created a board of senior military officers to determine Major Andre's fate. After acting out the trial of Major Andre, you will get a chance to be the board and decide upon the outcome. Was Major Andre guilty of conspiring to deliver West Point to the British, and destroy America's chances to win the Revolutionary War? Good luck to the brave soul who dares to play Major Andre and to all who dare to bring the characters and the evidence life!

***Bagpipes and Drums – Around the World and Across Time (NEW)***

Wednesday, April 25, 2012

Seminar Time: 9:00 AM - 12:00 PM

Location: Calvary Church

Presenters: Dr. Cynthia Burkhart & Amanda Paveglio

Description: They're loud! They're exciting! They're drums and bagpipes, and they hold special significance in the cultures and histories of many nations from around the world. Join Dr. Cynthia Burkhart and Amanda Paveglio on a musical time-travel adventure to Europe, the Middle East, and Northern and Western Africa. Students will learn about the histories and significance of drums and bagpipes in those regions of the world, as well as, ways that those regions are connected by music. Students will also learn about how the instruments are constructed, how they work, and the traditional costumes worn by those who play them. Images, video and audio clips, and exciting live demonstrations of music and dance will bring these instruments to life. To end the seminar, every student will be invited to participate in an authentic drumming circle.

**\*Please note that transportation times are not included.**