



**SCIENCE OUTREACH CENTER**  
**Saint Francis University**  
**PO Box 600**  
**Loretto, PA 15940**  
**824.472.3878**  
**[scienceoutreach@francis.edu](mailto:scienceoutreach@francis.edu)**

## **PROFESSIONAL DEVELOPMENT WORKSHOPS**

**FALL 2008**

Register Online: <http://www.francis.edu/soc>  
Click on registration link under “News and Events”



Registration Fee: Complimentary for TEAMS project schools  
(Costs for substitutes will be covered for TEAMS school districts)

Full Day Workshops: \$75 (includes lunch)  
Half Day Workshops: \$40

All activities will be held on the campus of SFU  
(Please see room locations in the descriptions below)

*Registration and payment due one week prior to workshop date*

## ACT 48 PROFESSIONAL DEVELOPMENT WORKSHOPS

### **Food, Land, and People: A Curriculum Resource for Learning**

Join us for an exploration of food, the environment, farms, and human interactions with food in this hands-on, minds-on workshop. Each participant will receive the Food, Land, and People CD-ROM containing almost 800 pages of lessons, activities, and background information. Topics include everything from pollination, pumpkins, food production, and food in cultures around the world. This is an active workshop, with participants doing several activities from within the resource book, discussing ways to adapt this for their classrooms, and connecting the activities to the Pennsylvania Standards. The Food, Land, and People resource is provided by the Office of Environment and Ecology at the Pennsylvania Department of Education.

Suggested for elementary and secondary educators.

### **Date, Time, and Location (Limit of 20 participants):**

**Tuesday, October 7<sup>th</sup>                      JFK Lounge                      8:30 AM to 3:30 PM**

Presenter: Mr. Roy Boyle, Assistant Professor of Education

### **Objectives of the Workshop**

- Participants will gain content background and resources to teach content related to Pennsylvania Science and Technology and the Environment and Ecology Standards. Specifically the following content areas will be emphasized.
  - Agriculture education
  - Plant and animal life cycles & production
  - Humans relationship to the environment at the local, regional, and global levels.
- Participants will explore organizations and written resources available to teach content related to this workshop.

### **Application to the PA Academic Standards**

This workshop is applicable to lessons pertaining to the following academic areas:  
Renewable/Nonrenewable Resources, Environmental Health, Agriculture and Society, Integrated Pest Management, Ecosystems and their Interactions, Humans and the Environment, Science-Related, Society-Related, Mathematics-Related

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## ACT 48 PROFESSIONAL DEVELOPMENT WORKSHOPS

### Turning Point Audience Response Systems Training

- Participants will learn the nuts and bolts of using the Turning Point Audience Response System for use in their classroom. They will learn how to create an interactive PowerPoint presentation that collects real-time responses from students, and assess students' achievement toward Pennsylvania state standards.
- Participants will learn how to use this powerful educational technology tool to evaluate the collective understanding of the entire class, conduct formative assessments, and track individual student learning at the point of instruction.
- Participants will create Turning Point interactive questions which can be used for assigning participation points, grading tests, as well as tracking student performance against "No Child Left Behind" standards.
- Participants will learn how to create and run reports for classroom needs; from individual student participation scores to entire classroom results.
- Participants will bring a PowerPoint lesson already being used in the classroom and adapt it to using the Turning Point Audience Response System.

### Date, Time and, Location (Limit of 15 participants):

**Monday, November 3<sup>rd</sup>**

**8:30 AM to 3:30 PM**

**Pasquerilla Library, Room 111**

Presenter: Dr. John Harris, Professor and Chair, Chemistry, Mathematics, and Physical Sciences

### Objectives of the Workshop

After completion of the workshop, participants will:

1. be able to set up the Turning Point equipment, software and hardware
2. have intermediate to advanced skills of use of Turning Point software including
  - a. setting up a classroom participation list, including maintenance issues
  - b. inserting and creating multiple types of assessment slides
  - c. inserting and using objects to monitor participants
  - d. use and understand a number of Turning Point tools
3. examine and understand grade appropriate pedagogical implications of using the Turning Point Audience Response System
  - a. use the Internet to find resources and further educational opportunities
4. Full Day Workshop: modify and test their lesson plan PowerPoint to use the Turning Point software to better deliver their lesson.

### Application to the PA Academic Standards

This workshop will enable participants to deliver content addressing all or nearly all standards in a way that provides engagement, introduces students to technological delivery methods and addresses the multiplicity of learning styles of students

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*Registration and payment due one week prior to the date of workshop.*

## ACT 48 PROFESSIONAL DEVELOPMENT WORKSHOPS

### Excel for Educators

This hands-on workshop will introduce the spreadsheet and its potential for use as a teaching and learning tool. Participants will learn how to enter, format, manipulate, and present data using a variety of spreadsheet functions and charting capabilities; will be introduced to a variety of resources to support the use of spreadsheets; and will develop strategies for integrating spreadsheet technology into their teaching practice. Each workshop participant will receive a custom-made CD containing handouts, sample spreadsheets and data sets, and resources from which other spreadsheet activities and tutorials can be located.

### Date, Time and, Location (Limit of 15 participants in each section):

**Tuesday, November 4th 8:30 AM to 3:30 PM Pasquerilla Library, Room 111**

**Presenter:** Ms. Theresa Wilson, Instructional Technology Specialist

### Objectives of the Workshop

After completion of the workshop, participants will be able to:

- create a basic spreadsheet to organize and analyze data
- use spreadsheet functions to sort and rank data
- use simple formulas in a spreadsheet
- make charts and diagrams to represent data
- discuss instructional strategies for integrating spreadsheets as learning tools
- design lessons that include a spreadsheet

### Application to the PA Academic Standards

This workshop will specifically address technology-related and math-related standards. However, the skills learned can be applied in all of the content areas.

Register Online: <http://www.francis.edu/soc>

*Registration and payment due one week prior to the date of workshop.*