

Free
Workshop Offerings at the Greater Philadelphia Expo Center
Wednesday, April 7, 2010

Open to all Teachers, Parents, and Interested Persons

The following workshops will be offered by Allen Marks, Rohm & Haas (retired), Paul Reibach, JRF America, and Julia O'Neill, Merck and Company, Inc.

The workshops are independent of each other and you do not need to attend one in order to participate in another.

1. **Science Fair Project Basics** (12:30 - 1:30): This workshop will outline the basics of developing a science fair project and is designed for teachers who have little experience in mentoring student science fair projects. Topics will be presented within the context of the scientific method and include choosing a project, basic literature searches, documentation, hypothesis formation, setting up experimental procedures, basic data collection and display.
2. **Beyond the Basics of Science Research Projects** (1:45 - 2:45): This workshop is designed for teachers who are already experienced in mentoring student science fair projects and will demonstrate concepts to further improve projects. Topics covered will include planning projects with trial replication, measurement techniques to distinguish real differences from experimental error, improving data books and data collection and displays.
3. **Statistics for Science Fair Projects** (3:00 - 4:00): This workshop will cover basic statistical techniques for science fair projects. It will demonstrate how to use statistics to improve conclusions drawn from data in science fair projects. It will also cover the best ways to display data so conclusions are clearly presented.

The following workshops will be presented by the University of the Sciences

4. **College Planning – Once Begun is Half Done** (1:00 - 2:00): Navigating students through the college admission and financial aid process can be tricky. However, a little homework and planning in the beginning can make for smooth sailing down the road. Join us to discover some long term planning strategies that can make the college selection process manageable. Who knows, it may even be a little fun!

Presented by: Dianna Collins, Executive Director of Admission

5. **Forensic Science – Mystery Solved** (2:15 - 3:15): The presentation will explore the how training in natural sciences is associated with their applications within the broad field of forensic sciences. Less commonly considered fields, such as microbiology, environmental science, and anthropology, will be discussed, along with the more conventional fields of chemistry and biology. Models of forensic science education will be considered in the context feedback from potential employers, and contrasted with current popular culture presentations of the field.

Presented by William Law, PhD. Associate Dean, Misher College of Arts and Sciences

Note: Act 48 credit can be given to PA teachers. You need to have your Pennsylvania ID number for credit. Certificates will be given to New Jersey and Delaware teachers for credit.