NGSS Practice: Analyzing and Interpreting Data

Agenda

Southern Connecticut State University
Jennings Hall

July 27, 2015   **8:00a – 3:00p**

Objectives

1) Teachers will be able to understand the concepts of statistics and probability to analyze and characterize data – Data analysis

2) Teachers will be able to understand the process of construction, analysis, and interpretation of graphical displays paired with hands-on activities that they can incorporate into their lessons

8:00 – 8:30

Sign in, Welcome | Christine Broadbridge
Breakfast and Coffee
Informed consent, pre- surveys (STEBI-A and pre-Barrier surveys)

8:30 – 11:00

Analyzing Data –
Prof. Marie Nabbout-Cheiban and **Prof. Adam Goldberg**: Concepts of statistics and probability using technology-based, hands-on activities to analyze and characterize data

11:00 – 12:00

Lunch break and Networking

12:00 – 2:30

Interpreting Data –
Prof. Scott Graves: Construction of graphs, analyzing the overall trends and interpreting the data.
Take a walk to our weather station and collect the data you will be working with!
Visualization site for the "GLOBE Program" which holds data from teachers around the globe in over 100 countries.

2:30 – 3:00

Wrap-up | Closing remarks
Post Surveys (STEBI-A and Post barrier surveys)