

# E-Workshops

E-Workshops are one-hour training sessions that take place in an online environment using Elluminate software. Participants are able to see a presentation about a topic and can ask questions audibly or via chat. The participant fee is \$10.00 per hour for members and \$25 per hour for non-members.

E-Workshops are limited to the first 25 people who sign up and must have at least 10 participants to be held. The requirements to take an E-Workshop are to have a computer connected to the internet, a headset microphone, and a recent version of Java.

## REGISTRATION INFORMATION

[wmc@wismath.org](mailto:wmc@wismath.org)

Click "Professional Development"

*The deadline for registering is 4:30 pm on the date exactly one week prior to the e-workshop.*

## Title: Getting to Know your SMART Board

Presenter: Tony Pickar

Tuesday, March 16, 2010 from 6:30-7:30 pm CST

### Topics Covered

The Basics: Introduction to all of the basic tools in SMART Board.

1. The Basic Toolbar
2. How to reveal notes: erase, cover, drag, link to another page
3. Linking to websites.
4. Gallery items and their manipulation.
5. Infinite cloning.
6. Some math-specific interactive tools and how to work them: compass, protractor, dice, coin tosser, deal a card.
7. Reasons to use a SMART Board Discussion



## Title: Advanced SMART Board

Presenter: Tony Pickar

Wednesday, March 17, 2010 from 6:30-7:30 pm CST

### Topics Covered

1. Benefits of technology
2. Using SMART Board for visualizing concepts
3. Using SMART Board for playing games
4. Using SMART Board to save notes
5. Using SMART Board to connect to the internet
6. Using SMART Board to link math programs
7. Using SMART Board with video clips
8. Advanced SMART Board file creation/techniques
9. Things you can't do on chalkboard or white boards
10. Lesson activity toolkit examples

**Title: Getting to Know your Fathom Statistical Software (Session 1)**

**Presenter: Corey Andreason**

**Tuesday, March 2, 2010 from 7:30-8:30 pm CST**

**Topics Covered**

The Basics: Participants will learn the fundamentals of Fathom for use in Exploratory Data Analysis.

1. Methods of creating data sets

\*Manually entering data

\*Importing from web pages

\*Generating samples from a theoretically defined population

\*U.S. Census Data

2. Plots

\*Univariate numerical data plots: dotplots, boxplots, histograms, and others

\*Bivariate numerical data plots: scatterplots

\*Plots for categorical data: Bar charts

\*Legend attributes and their uses

**Title: Getting to Know your Fathom Statistical Software (Session 2)**

**Presenter: Corey Andreason**

**Tuesday, March 9, 2010 from 7:30-8:30 pm CST**

**Topics Covered**

Introduction to Simulations: Participants will learn more about the structure of Fathom (Collections, sample collections, measure collections, and the inspectors for various objects)

We will design simulations of several random processes.

\*Rolling dice

\*Sampling from a population

\*Randomly assigning treatments in an experiment

\*Using a simulation to answer probability and inference questions.

**Title: Introduction to Graphing on a TI-83/TI-84**

**Presenter: Mike Weidner**

**Date: Thursday, April 22, 2010, 7:00-8:00 pm CST**

**Topics Covered**

1. Working with the Home Screen, Basic arithmetic, Repetition with ENTER, Replay with ENTRY
2. Linear Graphing, Y= menu, Standard view, Window, Split Screen
3. Calculation Menu, Value/TRACE, Zero, Intersection
4. Graphing other functions, Quadratic, Exponential, Maximum/Minimum
5. As time and interest permit, more advanced topics.