



Cornell University

K-12 Education and Outreach, Mathematics Department

MATH 5080

Mathematics for Secondary School Teachers

406 Malott Hall

March 13, 2010

9:00 am – 2:30 pm

8:45-9:00 **Welcome** (juice and bagels provided)

9:00-9:15 **Introductions**

9:15-11:30 **Investigating Variation Using Hands-On Activities**
Aaron Weinberg (Ithaca College)

When we collect data, we often focus on the measure of center: mean, median, and mode. However, understanding the variation in data is just as important. We will use hands-on simulation and sampling activities to talk about ways of describing patterns in variation and how to draw conclusions based on these patterns.

11:30-12:00 **Lunch** (provided)

12:00-2:20 **A Beginners Investigation of Cabri 3-D**
Stephen West (SUNY-Geneseo)

Cabri 3-D is dynamic three-dimensional counterpart of Cabri Geometry (which is similar to Geometer's Sketchpad). A quick introduction to the tools will allow you to investigate some of the three-dimensional ideas expressed in the *Standards*. CD copies of a 30-day trial version of the software will be provided. If you have a laptop, please bring it. (If you bring your school's laptop, then make sure you have administrative privileges to install the software. Let Mary Ann know ASAP if you need to borrow a computer.)

2:20-2:30 **Wrap Up**

Contact Mary Ann Huntley by Wednesday, March 10th if you plan to attend.

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