



## Cornell University

K-12 Education and Outreach, Mathematics Department

### **MATH 5080**

**Mathematics for Secondary School Teachers**

**207 Malott Hall**

**May 2, 2009**

**9:00 am – 2:30 pm**

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

**9:00-9:15**     **Introductions**

**9:15-12:00**    **Barbies, Bullfrogs, and Basketballs: Creating Interest with Interesting Activities**

*Mary Gfeller (SUNY-Cortland) & Tisha Riley (Dryden High School)*

Drawing on their own classroom experiences, Tisha and Mary will involve workshop participants in several investigations involving data gathering and modeling that they have found generate students' interest in learning mathematics. These investigations, appropriate for grades 7-12, include Barbie bungee jumping, basketball bouncing, guessing celebrity ages, leap frogging, and finding stellar distances. Discussion will include ways these activities align with NYS Standards and how the activities can be adapted to meet the needs of diverse students. Bring a graphing calculator and your thinking cap!

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

**12:30-2:30**    **Barbies, Bullfrogs, and Basketballs: Creating Interest with Interesting Activities (continued)**

*Mary Gfeller (SUNY-Cortland) & Tisha Riley (Dryden High School)*

**Contact Mary Ann Huntley by Wednesday, April 29<sup>th</sup> if you plan to attend.**

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