

Mathematics Coaching Program – Mathematics Teaching Institute

July 30, 2015

Daily Agenda: Day Four

Big Picture Goals:

- **Extend participants thinking about measurement in Intermediate Mathematics.**
- **Use estimation and measurement concepts in classroom-ready activities.**
- **Explore frames of reference for standards measurement units.**
- **Use literacy-based activities as a context for measurement in Metric and U.S. Customary Systems.**
- **Use mathematical modeling in context.**
- **Generate mathematical problem-solving experiences that incorporate Mathematics Practices.**

9:00 am	Jim Fowler and Bart Snapp	Through the Eyes of Mathematicians – Making Mathematical Modeling Accessible to Students
10:15 am		Morning Break
10:30 am am	Tim and Amanda	Developing measurement concepts Metric units versus U.S. Customary Units Integrated measurement activities <ul style="list-style-type: none">➤ Activity One: Measurement Poems➤ Activity Two: The Great Estimations Contest➤ Activity Three: Geometry & Measurement Discovery Hunt
12:00 pm		Lunch
12:45 pm	Amanda	Venn Diagrams and Geometric Thinking Rectangles, Squares, and Rhombi

1:45 pm	Tim, Lucia, Joan, and GRAs	<p>Problem Posing Part II - Mathematics IS EVERYWHERE!</p> <p>What is Mathematical Modeling? What is Modeling with Mathematics?</p> <p>Identifying variables and influential factors</p> <p>Mathematical Modeling in Context – I notice / I wonder</p> <p>Generating Grade-band appropriate mathematical tasks</p> <p>Identifying Mathematical Practices</p> <p>Gallery walk of mathematical tasks</p>
3:50 pm		<p>Daily Feedback Form</p> <p>Homework: “The Day Math and Reading Got Hitched” (Foster, 2007)</p>