MIME 2013 Workshop Agenda

Day -7 to 0: Preparations

Homework due 11:59pm March 22, 2013: http://www-personal.umich.edu/~yxl/MIME2013/Homework0.html

Day 1: Sunday, March 24, 2013

noon - 1:00pm  Registration and Lunch
1:00pm  Welcome & Introductions
   ○ Introductions and overview of workshop (William McCallum)
   ○ Framing: Fundamental principles of mathematics and relevance to teaching (Yvonne Lai)
1:20pm  Introduction to Common Core (William McCallum)
3pm - 3:15pm  Break
3:15pm  Introduction to the Illustrative Mathematics Project (William McCallum)
   ○ Solving a bootstrapping problem: learning to design tasks through reviewing tasks
5:30pm  Presentations finish for day
Homework: Login to Illustrative Mathematics and complete reviewer training for a grade band of your choice.

Day 2: Monday, March 25, 2013

8:30am - 9:00am  Continental breakfast at workshop site
9:00am  Mathematical Structure of the Curriculum, and Curricular Analysis (Roger Howe)
10:30am-11:00am  Break
11:00am  Mathematical Knowledge for Teaching (MKT) (Yvonne Lai)
   ○ A glimpse of the mathematical work of teaching
   ○ Video of classroom teaching
   ○ Introduction to MKT
12:30pm-1:30pm  Lunch
1:30pm  Mathematical Knowledge for Teaching, continued
   ○ Evidence of effects
   ○ Implications for the mathematical preparation of teachers
3:30pm - 3:15pm  Break
3:15pm  Task writing (William McCallum, Yvonne Lai)
5:15pm  Presentations finish for day
Homework: (1) Make a list of 5-10 kinds of “work of teaching” that you would be interested in discussing in the context of professional development or teacher education.
(2) Submit a task to the Illustrative Mathematics site by 7:00am

Day 3: Tuesday, March 26, 2013

8:30am - 9:00am  Continental breakfast at workshop site
9:00am  Discussion/reporting of tasks (William McCallum)
   ○ Review tasks that were submitted for homework
   ○ Submit reviews to Illustrative Mathematics
10:45am - 11am  Break
11am - 11:30am  Discussion/reporting of tasks (ct’d)
11:30am  Wrap up: Engaging in mathematics education
12:30pm  Departures