

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**