

**Mathematics Coaching Program - Mathematics Teaching Institute
July 27, 2015**

Daily Agenda: Day One

Big Picture Goals:

- **Compare / Contrast student-centered mathematics instruction with 'traditional' teacher-centered mathematics instruction.**
- **Introduce and explicate the 8 Student Mathematical Practice (CCSSM) and the 8 Mathematical Teaching Practices (NCTM).**
- **Build cohort community through collaborative problem solving.**
- **Identify the major tenets of Cognitively Guided Instruction (CGI) in the context of problem-solving.**

8:30 am	Cheryl, Cathy, and Joan	Summer Institute Check-in and Registration Participant Folders
9:00 am <i>Please note: All times are tentative and subject to change!</i>	Patti, Azita, Tim, Lucia, Joan, Cheryl, Cathy, and GRAs	Official Welcome and Introduction Meet your Summer Institute Facilitators Meet your Summer Institute Support Team
9:20 am	Patti	Summer Institute Overview: Why are we here? How can I make a difference? Setting the tone for our week together
10:00 am		Morning Break
10:15 am	Tim and Amanda	8 Student Mathematical Practices (CCSSM) Introducing the M-Chart Part I– Perceptions of Student and Teacher Actions in Mathematics Classrooms Collaborative Problem Solving Part I: A Math Task in Three Acts (Dan Meyer)

		<p>Brutus Buckeye-Gate</p> <p>Group Sharing of Solutions and Solution Strategies</p> <p>Establishing our Community and Social Norms</p>
12:00 pm		Lunch
12:45 pm	Tim and Amanda	<p>Collaborative Problem Solving Part II</p> <p>The Game of NIM</p> <p>The Count to 21 Game</p> <p><i>Really Big Numbers</i> by Richard Evans Schwartz</p> <p>M – Chart Part II: Student and Teacher Actions during Collaborative Problem Solving</p>
2:15 pm		Afternoon Break
2:30 pm	Amanda	<p>Video Case: The Border Task – Cathy Humphries’ Math Classroom</p> <p>M – Chart Part III: Student and Teacher Actions during Video</p>
3:15	Tim and Amanda	<p>Community Conversation / M – Chart Culmination</p> <p>More Mathematical Practices - 8 Mathematical Teaching Practices (NCTM)</p> <p>What does it mean to DO mathematics in 21st Century Classrooms?</p>
3:45	Tim and Amanda	<p>Daily Feedback Form</p> <p>Day One Homework: “Never Say Anything a Kid Can Say” (Reinhart, 2000)</p>