

## ***Core-Plus Mathematics***

### **Course 1**

**July 23-27, 2012**

#### **Preliminary Agenda**

#### **Monday, July 23**

- 8:00 a.m. Welcome, Goals of the Workshop and Introductions
- 9:00 a.m. Overview of Algebra and Functions Strand  
Modeling the Instruction of Unit 1, *Patterns in Change*
- 10:30 a.m. Break
- 10:45 a.m. *Patterns in Change* continued
- 12:00 p.m. Lunch - Bernhard Center
- 1:00 p.m. *Patterns in Change* continued
- 2:45 p.m. Break
- 3:00 p.m. Planning Lessons  
Using the Teacher's Guide  
Teacher's Works CD  
Assessment CD
- 4:30 p.m. Adjourn

#### **Tuesday, July 24**

- 8:00 a.m. Discussion of Yesterday's Reading
- 8:30 a.m. Overview of the Statistics and Probability Strand  
Modeling the Instruction of Unit 2, *Patterns in Data Using CPMP-Tools*  
Statistics Software
- 10:30 a.m. Break
- 10:45 a.m. Modeling the Instruction of Unit 3, *Linear Functions*
- 12:00 p.m. Lunch - Bernhard Center
- 1:00 p.m. *Linear Functions* continued
- 2:45 p.m. Break
- 3:00 p.m. *Linear Functions* continued
- 3:30 p.m. A glimpse into CPMP Classrooms – Joint Course 1 & 2 Session
- 4:30 p.m. Adjourn

### Wednesday, July 25

- 8:00 a.m. Overview of Discrete Mathematics Strand  
Modeling the Instruction of Unit 4, *Vertex-Edge Graphs*  
Using *CPMP-Tools* Discrete Math Software
- 10:30 a.m. Break
- 10:45 a.m. Lesson Planning Based on Unit 5, *Exponential Functions*
- 12:00 p.m. Lunch - Bernhard Center
- 1:00 p.m. *Exponential Functions* continued
- 2:30 p.m. Break
- 2:45 p.m. Presentation and discussion of lesson plans
- 3:30 p.m. Joint Course 1 & 2 Discussion  
Building Community Support & Program Evaluation
- 4:30 p.m. Adjourn

### Thursday, July 26

- 8:00 a.m. Assessment –  
Embedded assessment in the *Core-Plus Mathematics* curriculum  
Homework – Developing connected understanding and automating skills  
Student work and rubrics  
Student toolkits and paperwork management
- 9:00 a.m. Unit 6, *Patterns in Shape*  
Using *CPMP-Tools* geometry software
- 10:30 a.m. Break
- 10:45 a.m. *Patterns in Shape* continued
- 12:00 p.m. Lunch - Bernhard Center
- 1:00 p.m. Unit 7, *Quadratic Functions*
- 2:45 p.m. Break
- 3:00 p.m. *Quadratic Functions* continued
- 4:00 p.m. A new CPMP senior course for non-STEM college students – joint session
- 4:30 p.m. Adjourn

### Friday, July 27

- 8:00 a.m. Unit 8, *Patterns in Chance*
- 10:30 a.m. Break
- 10:45 a.m. *Patterns in Chance* continued
- 11:00 a.m. Remaining Questions  
Workshop Evaluation
- 12:00 p.m. Adjourn/Lunch - Bernhard Center