

Core-Plus Mathematics

Course 2

July 23-27, 2012

Preliminary Agenda

Monday, July 23

- 8:00 a.m. Welcome, Goals of the Workshop, and Introductions
Overview of the Four-Year Curriculum
- 9:00 a.m. Overview of Algebra and Functions Strand
Modeling the Instruction of Unit 1, *Functions, Equations, and Systems*
- 12:00 p.m. Lunch - Bernhard Center
- 1:00 p.m. *Functions, Equations, and Systems* continued
- 2:30 p.m. Instruction:
Goals
Pacing Issues
Questioning
- 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. Overview of the Discrete Strand
Modeling the Instruction of Unit 2, *Matrix Methods*
- 11:00 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
- 12:00 p.m. Lunch - Bernhard Center
- 1:00 p.m. Overview of the Geometry and Trigonometry Strand
Modeling the Instruction of Unit 3, *Coordinate Methods*
Using *CPMP-Tools* Geometry Software
- 3:30 p.m. A glimpse into CPMP classrooms – Joint Course 1 & 2 Session
- 4:30 p.m. Adjourn

Morning and afternoon breaks will be provided.

Wednesday, July 25

- 8:00 a.m. Overview of Statistics and Probability Strand
Modeling the Instruction of Unit 4, *Regression and Correlation*
Using *CPMP-Tools* Statistics Software
- 12:00 p.m. Lunch - Bernhard Center
- 1:00 p.m. Lesson Planning Based on Unit 5, *Nonlinear Functions and Equations*
- 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. Unit 6, *Network Optimization*
Using *CPMP-Tools* Discrete Math Software
- 10:15 a.m. Unit 7, *Trigonometric Methods*
- 12:00 p.m. Lunch - Bernhard Center
- 1:00 p.m. *Trigonometric Methods* 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, *Probability Distributions*
- 11:00 a.m. Remaining Questions
Workshop Evaluation
- 12:00 p.m. Adjourn
Lunch - Bernhard Center