Session: Algebra 1 and Common Core State Standards

Day 1:
1. High school common core and mathematical practices discussion
2. Practice in applying mathematical ways of thinking such as investigations, problem solving, and modeling;
3. Alternate methods for mathematics instruction to meet differentiated learning styles of students; and multiple representations

Day 2:
1. Examples of incorporating multiple concepts in a single lesson;
2. Examples of how to promote student mathematical thinking;
3. Opportunities to increase content knowledge of teachers to enhance student achievement;
4. Opportunities to integrate the eight Standards for Mathematical Practice throughout every module

Session: Geometry

Day 1:
1. Teacher developed hands-on and technology lessons in geometry that relate to the Common Core will be presented.
2. Highly effective modules over key topics will be presented; Instruction in the latest technology for geometry teachers including Geometer’s Sketchpad, Geogabra, and TI Nspire;
3. Teachers will also share the plans they have made to implement CCSS.

Day 2:
1. Examples of incorporating multiple concepts in a single lesson;
2. Examples of how to promote student mathematical thinking;
3. Opportunities to increase content knowledge of teachers to enhance student achievement;
4. Opportunities to integrate the eight Standards for Mathematical Practice throughout every module

Session: Technology

Day 1: iPad training
1. General Productivity tools: Apps for word processing, presentation, dictation, file management
2. Teaching and Learning tools: Mainly Math, Science, Technology, and Engineering Apps
3. Communication tools: Apps to aggregate and read daily news, videoconference, translate and network.

Day 2: SmartBoard training
1. Introduction to SMART Notebook and the SMART Board interactive whiteboard
2. Design fundamentals and develop presentation creation skills
3. Develop lessons that are engaging and interactive