Day One Theme – Mathematical Practices

8:30 – Joint Meeting

9:00 – Housekeeping and Expectations/Objectives – PPT (David)

9:30 – Dan Meyer Video and Discussion

10:00 – Mathematical Practices (Word Strips) (Note: Use the practices protocol to have teachers look for mathematical practices used in the tasks presented today.)

10:30 – Break

10:45 – Task Time I

11:30 – Lunch

12:15 – Balanced Mathematics – with Damon’s Videos

1:15 – Task Time II

2:00 – Break (Hard)

2:15 – Task Time III

3:15 – Evaluation – Parking Lot

3:30 – Dismiss

Day One Handouts – Bound Participant Guide, Mathematical Practices Observation Protocol, Elementary Mathematical Practices sheet

Day Two Theme – Cognitive Demand

8:30 – Cognitive Demand Task

9:00 – Task Time IV

10:00 – Break

10:15 – Task Time V

11:30 – Lunch

12:15 – Constructive Struggling Task (using World Café Protocol) (Use four levels of cognitive demand protocol to determine level of cognitive demand for the tasks today.

1:15 – Task Time VI

2:00 – Break (Hard)

2:15 – Task Time VII

3:15 – Evaluation – Circle, Square, Triangle

3:30 – Dismiss

Handouts for Day Two: Cognitive Demand Task, Task Analysis Guide, Constructive Struggling Article, World Café Protocol, Evaluation

Day Three Theme – Elements of a Balanced Mathematics Classroom

8:30 – Three Part Lesson Design – video and task

9:15 – Task Time VIII

10:00 – Break

10:15 – Task Time IX

11:30 – Lunch

12:15 – Task Time X

1:00 – Task Time XI

2:00 – Break (Hard)

2:15 – Writing Mathematical Tasks (Thinking Through a Lesson Template)

3:00 – Sources for Mathematical Tasks (revisit Dan Meyer, Internet, text word problems, etc.)

3:15 – Evaluation (What worked, what didn’t, what do you need more of?)

3:30 – Dismiss

Handouts for Day Three – Three Part Lesson Design, LED Form (5 forms), Thinking Through a Lesson Template (5 each), Sources for Mathematical Tasks, Evaluation

Day Four Theme – Writing Your Own Mathematical Tasks

8:30 – Replay Dan Meyer video on how to create a mathematical task (just that segment)

8:45 – Review the “Thinking Through a Lesson” template

9:00 – Writing Mathematical Tasks

10:15 – Break

10:30 – Writing Mathematical Tasks

11:30 – Lunch

12:15 – Sharing Mathematical Tasks

2:00 – Break (Hard)

3:00 – Course Evaluation and Wrap Up

3:30 – Dismiss

Handouts for Day 4 – Thinking Through a Lesson Templates (5 each), Course evaluation

Task Order:

Geometry 2

Number System 8

Geometry 3

NS1

RP3c

RP3d

EE2c

EE8

EE9

SP2, 3, 4

SP5