Agenda for Workshop:

Becoming a Problem Solver (Chapter 2.5)

I. Check in and Introduction (10 min)

II. Metacognition-Thinking through the problem

III. Form a strategy: handout – 6 steps to solving problems (17 min)
   A. Power point slide
   B. Handout

IV. Translating Activity – handout/practice activity (25 min)
   A. Handout
   B. Worksheet
   C. Translating tiles

V. Scripting power point: writing a set of questions to analyze a problem (35 min)
   A. Group activity- given a problem write a script to follow or questions that will lead you to an answer on newsprint
   B. Share with the class
VI. Models for specific types or categories of word problems: (45min)

A. Geometry problems – geometry vocabulary handout
   1. Formulas
   2. Angles
   3. Congruence/similarity

B. Percent problems
   1. Sentence model
   2. Proportion model

C. Consecutive Number problems – variables
   1. Writing the variables
   2. Translating the problem

D. Number problems
   1. Translating
   2. Checking

E. Interest problems – formula

VII. Reasonability – what is a reasonable answer? Discuss and brainstorm. (20 minutes)

   A. More or Less than facts given
   B. Makes sense in the real world
   C. Fits the question parameters

VIII. Evaluation form (15 min)