Daily:

• Entry/Warm Up/Debrief/This Day in History [10 minutes]

• Problem of the Day [5 minutes]

• Engineering Challenge or ACT Top 50 [10 minutes]

• Transition [4 minutes]

Monday 01.09 Find, from their equations, lines that are parallel and perpendicular; Identify and use intercepts.

MathShell Formative Assessment Lesson: Classifying Equations of Parallel and Perpendicular Lines http://map.mathshell.org/download.php?fileid=1724

Tuesday 01.10

Find, from their equations, lines that are parallel and perpendicular; Identify and use intercepts.

MathShell Formative Assessment Lesson: Classifying Equations of Parallel and Perpendicular Lines http://map.mathshell.org/download.php?fileid=1724

(Continuation of Monday's lesson)

Wednesday 01.11 Define variables and write equations for linear word problems involving two variables, then solve graphically

- Skip problem of the day and engineering challenge for quiz
- Parallel, perpendicular or neither quiz [15 minutes]
- I do/We do: Cycle through guided notes [30 minutes]
- You do: Independent practice [10 minutes]
- Exit Ticket [10 minutes]
- Use problems starting on p. 6 for guided notes
  http://www.agmath.com/media/DIR_11806/07_SystemsEquations2.pdf

Thursday 01.12 Solve a system of equations by graphing; Explain why and how certain systems of equations have one solution, infinite solutions or no solutions, using the idea of parallel line

- I do: Foldable, 3 types of systems (photos here
  http://mathequalslove.blogspot.com/2012/09/newest-algebra-2-interactive-notebook.html) and foldable #2:

http://www.carlisleschools.org/webpages/wolfer/files/go%20graphing%20method1.pdf

- We do: Pull out examples from this slideshow: http://www.carlisleschools.org/webpages/wolfer/files/sb%20notes%20graphing%20method.pdf
- You do: Edit to use "number of solutions" language http://www.carlisleschools.org/webpages/wolfer/files/practice%20graphing%20method.pdf

Friday 01.13 Solve multi-step equations, Computer Intro and Criteria for Success

- Skip Problem of the Day and Engineering Challenge for quiz
- Weekly warm-up quiz
- I do/We do/You do: Cycle through guided notes on multi-step equation solving review
- Give out homework: solving multi-step equations
- Computer intro, criteria for success, demo and practice, and MathXL sign up

Notes:

- Systems 3 ways foldable https://docs.google.com/file/d/0B-1saJM8fLPgbi1Rb3BJd3ZreVk/edit