Mrs. RC's Website: http://www.pinckneymich.com/
Email: dregal@pinckneypirates.org

Pathfinder Algebra 8th **Regal Coller** **Week of 10-10-16**

Day	In Class	Assignments
Monday/ Tuesday 10/10-10/11 **Summative Assessment TEST is W/Th October 12/13. Test will include solving equations and TWMM Problems 1.1, 1.2 and 1.3 including correct construction of graphs, vocabulary, focus questions and reflection questions.**	**Focus Question: How can you show if a pattern between variables is linear or nonlinear?** **Assessment FOR Learning:** ❑ Check answers and make corrections for all mistakes for ACE from 1.3. **TWMM Investigation 1 Review** ❑ Equations Summary Notes ❑ Pencil Problems--Red #21-30 & Tan #61-70. Check answers and make corrections for all mistakes with work shown correctly. ❑ Linear vs Non-Linear Relationships WS ❑ **Claim-Evidence-Reasoning (CER): Practice this process with the questions on the forms provided.**	❑ Complete any work not completed in class. (Due W/Th) ❑ Complete any missing work (including vocab and reflection questions)! ❑ **Prepare ONE 8.5"x11" sheet of notes for use during your test. You may use both sides of the paper. RULE: You must personally create your own note sheet. (Due Wed/Th)**
Wednesday/ Thursday 10/12-10/13	**Focus Questions: See back of agenda!** ❑ Check and make corrections to any work remaining from Mon./Tues. **Assessment OF Learning:** **Thinking With mathematical Models (TWMM) Investigation 1 Test**	❑ Complete any missing work!
Friday 10/14	**Focus Question: How can you determine the probability of an event occurring?** **Assessment FOR Learning:** ❑ Pirate Day Math Problems	❑ Have a great weekend! ❑ Go Pirates!

Solving Equations Practice:
Easy: http://www.math-play.com/equation-games.html
http://www.mathplayground.com/AlgebraEquations.html
Harder:
http://www.mathgames.com/skill/8.40-solve-multi-step-equations
http://www.coolmath.com/algebra/06-solving-equations
Virtual Algebra Tiles http://media.mivu.org/mvu_pd/a4a/homework/applets_expressions.html
To access your digital textbook:
www.mymathuniverse.com/cmp3
Login to Student Place (returning user)
Username is your regular school username.
Password is upper case D followed by your lunch account number (no spaces).

All graphs should have:

- independent and dependent variables graphed on correct axes
- axis labels (with units)
- origin
- consistent intervals (Do NOT break your intervals on your axes.)
- descriptive title
- correctly placed data points

Scatterplots should NOT show data points connected.

Vocabulary from Investigation 1: Term + Definition + Example

- ❑ **Claim-Evidence-Reasoning (CER)**
- ❑ Statistics (as a discipline)
- ❑ Noise in data
- ❑ Signals in data
- ❑ Independent variable
- ❑ Dependent variable
- ❑ Axis (Axes plural)
- ❑ Ordered pair
- ❑ Coordinate plane
- ❑ Quadrants (in the coordinate plane)
- ❑ Origin
- ❑ Scatterplot
- ❑ Outlier
- ❑ Linear relationship
- ❑ Non-linear relationship
- ❑ **Mathematical model**

Focus questions:

- **How can you use inverse operations to solve one- and two-step equations?**
- **How would you describe the relationship between bridge strength and bridge thickness?**
- **How would you describe the relationship between bridge strength and bridge length?**
- **How can you predict if a pattern between variables will be linear or nonlinear?**
- **How can exploring visual patterns build your understanding of number relationships, algebraic expressions and their multiple representations?**
- **How can tables, graphs, words and equations help you see patterns and make predictions?**

Math Content Standards:
8.EE.7b Solve multi-step equations involving a single variable.
8.SP.A.1 Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.
8.F.B.5 Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.

Math Practice Standards:
2. Reason abstractly and quantitatively.
4. Model with mathematics.
6. Attend to precision.
7. Look for a make use of structure.