**Basic Algebra II Weekly Plan Sept. 25 to Sept. 29, 2017**

**Common Core Standards:**

**A.CED.2:** Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.

**A.CED.3**: Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or nonviable options in a modeling context.

**F.IF.4:** For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description

of the relationship.

**F.IF.5:** Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes.

**F.BF.3:** Identify the effect on the graph of replacing *f*(*x*) by *f*(*x*) + *k*, *k f*(*x*), *f*(*kx*), and *f*(*x* + *k*) for specific values of *k* (both positive and negative); find the value of *k* given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology.

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| Day | In Class | Assignment |
| Monday  Sept. 25th  F.IF.4  F.BF.3 | Today’s Goal: To learn about transformations.   * Section 1-8 * Stretches and compressions * Graphing calculator activity   ELO: Transform Functions & their Graphs | Homework 1-8  p. 63  #1-10, 14-22 |
| Tuesday  Sept. 26th | Today’s Goal:   * Juniors at college field trip * Work day for seniors |  |
| Wednesday  Sept. 27th  A.CED.2  A.CED.3  F.IF.4, 5  F.BF.3 | Today’s Goal: To learn parent functions.   * Section 1-9 * Five parent functions * Transformations of parent functions * Using a graphing calculator   ELO: Classify functions into families. | Homework 1-9 A  p. 70  #2 – 9, 17-22 in class |
| Thursday  Sept. 28th  A.CED.2  A.CED.3  F.IF.4, 5  F.BF.3 | Today’s Goal: To learn parent functions.   * Section 1-9 * Parent function activity * Transformations of parent functions Activity   ELO: Classify functions into families. | Homework 1-9 B  p. 70  #11-16 and 24-27 |
| Friday  Sept. 29th | Today’s Goal: To excel on the chapter 1 quiz.   * Quiz: Sections 1-7 to 1-9 | C:\Program Files\Microsoft Office\MEDIA\CAGCAT10\j0183168.wmfHomecoming! |

Chapter 1 test will be on Wed. Oct. 4th. All Chapter 1 work must be turned in by Friday, Oct. 6th.