**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 |
| MondaySept. 25th F.IF.4F.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 |
| TuesdaySept. 26th  | Today’s Goal: * Juniors at college field trip
* Work day for seniors
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| WednesdaySept. 27th A.CED.2A.CED.3F.IF.4, 5F.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 Ap. 70#2 – 9, 17-22 in class  |
| ThursdaySept. 28th A.CED.2A.CED.3F.IF.4, 5F.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 Bp. 70#11-16 and 24-27 |
| FridaySept. 29th  | Today’s Goal: To excel on the chapter 1 quiz.* Quiz: Sections 1-7 to 1-9
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Chapter 1 test will be on Wed. Oct. 4th. All Chapter 1 work must be turned in by Friday, Oct. 6th.