**Basic Algebra II Weekly Plan Jan. 4th to Jan. 8th , 2016**

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| Day | In Class | Assignment |
| MondayJan. 4th N.VM.10N.VM.12G.CO.5  | Today’s Goal: To learn about determinants and Crammer’s rule.* Section 4-4
* Finding a determinant of a 2x2
* Cramer’s Rule for 2x2
* Finding a determinant of a 3x3
* Cramer’s Rule for 3x3
* Coefficient Matrix

ELO: Solve equations and inequalities from different families | Homework 4-4 Bp. 274#8-12C:\Documents and Settings\beth.sanborn\Local Settings\Temporary Internet Files\Content.IE5\MJBBRSEO\MC900436236[1].png |
| TuesdayJan. 5th N-VM-9N-VM-10A.REI.9 | Today’s Goal: To learn about matrix inverses and how to use them to solve systems of equations.* Section 4-5
* Determining if matrices are inverses
* Finding the inverse of a matrix
* Solving systems of equations with matrix inverses

ELO: Solve equations and inequalities from different families | Homework 4-5 Ap. 282#2-8 |
| WednesdayJan. 6th N-VM-9N-VM-10A.REI.9 | Today’s Goal: To learn about determinants and Crammer’s rule.* Section 4-4
* Finding a determinant of a 2x2
* Cramer’s Rule for 2x2
* Finding a determinant of a 3x3
* Cramer’s Rule for 3x3
* Coefficient Matrix
 | Homework 4-5 Ap. 282#9-12 |
| ThursdayJan. 7th  | Today’s Goal: To learn about using Khan Academy for preparing for the SAT.* SAT Test Prep
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| FridayJan. 8th  | Today’s Goal: To excel on the chapter 4 quiz.* Quiz 4-3 to 4-5
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**Chapter 4 Test will be next week. Make sure all chapter 4 homework is in.**

**Common Core Standards:**

**N.VM.9:** Understand that, unlike multiplication of numbers, matrix multiplication for square matrices is not a commutative operation, but still satisfies the associative and distributive properties.

**N.VM.10:** Understand that the zero and identity matrices play a role in matrix addition and multiplication similar to the role of 0 and 1 in the real numbers. The determinant of a square matrix is nonzero if and only if the matrix has a multiplicative inverse.

**A.REI.9**: (+) Find the inverse of a matrix if it exists and use it to solve systems of linear equations (using technology for matrices of dimension 3 × 3 or greater).