Algebra: U7L1

Date: March 2, 2015	**Topic:** System of Equations

Main Objective: SWBAT determine if an ordered pair is a solutions to a system, by plugging in the given and graphing the solution.

Do Now: U7D1	**CRS:** XEI 606 - P
Big Ideas: ➔ Solutions to systems of equations	**Essential Questions:** ➔ **What does a solution to a system of equations mean?** ➔ **What problems can be solved using a systems of equations?**

Agenda:

- ★ [5 min] Do Now
- ★ [10 min] Correct Do Now
- ★ [15 min] Discuss HW/Notes
- ★ [40 min] Alternate Practice Problems and Discuss
- ★ [10 min] Exit

Notes:

Key questions:
How can you find out if a point is a solution to an equation? How do you figure out if it is a solution to a system of equations?

HW: ➔ U7D1	**Assessment Questions:** Is (x, y) a solution to the system of equations below? What does it mean when something is a solution to a system of equations?

Algebra: U7L2

Date: March 4, 2015	**Topic:** System of Equations

Main Objective: SWBAT determine if an ordered pair is a solutions to a system, by plugging in the given and graphing the solution.

Do Now: U7D2	**CRS:** XEI 606 - P
Big Ideas: ➔ Graphing and solutions to systems of equations	**Essential Questions:** ➔ **What does a solution to a system of equations mean?** ➔ **What strategies help us solve systems?**

Agenda:

- ★ [5 min] Do Now
- ★ [10 min] Correct Do Now
- ★ [15 min] Discuss HW/Notes
- ★ [40 min] Alternate Practice Problems and Discuss
- ★ [10 min] Exit

Notes:

Key questions:
What do you notice about the solution to a system of equations when you graph it?

HW: ➔ U7D2	**Assessment Questions:** Graph and find solution to two linear equations

Algebra: U7L3

Date: March 9, 2015	**Topic:** System of Equations
Main Objective: SWBAT solve systems using the substitution method when given an isolated variable	
Do Now: U7D3	**CRS:** XEI 606 - P
Big Ideas: ➔ Substitution	**Essential Questions:** ➔ **What does a solution to a system of equations mean?** ➔ **How can a system of equations be solved?**

Agenda:

- ★ [5 min] Do Now
- ★ [10 min] Correct Do Now
- ★ [15 min] Discuss HW/Notes
- ★ [40 min] Alternate Practice Problems and Discuss
- ★ [10 min] Exit

Notes:

Key questions:
What does substitution mean?
How can you use substitution to solve a system of equations?
What steps do you need to take to solve using substitution?
How can you check your answer?

HW: ➔ U7D3	**Assessment Questions:** Solve a system using substitution and provide y-value (x= already provided, so sts do not need to first isolate a variable and then substitute)

Algebra: U7L4

Date: March 10, 2015	**Topic:** System of Equations

Main Objective: SWBAT solve systems using the substitution method by isolating a variable in one equation and substituting it into the second

Do Now: U7D4	**CRS:** XEI 606 - P
Big Ideas: ➔ Substitution	**Essential Questions:** ➔ **What does a solution to a system of equations mean?** ➔ **How can a system of equations be solved?**

Agenda:

- ★ [5 min] Do Now
- ★ [10 min] Correct Do Now
- ★ [15 min] Discuss HW/Notes
- ★ [40 min] Alternate Practice Problems and Discuss
- ★ [10 min] Exit

Notes:

Key questions:
What if your system has both equations in standard form? How can you use substitution?

HW: ➔ U7D4	**Assessment Questions:** Solve a system using substitution and provide y-value (isolated variable not provided, so sts need to first isolate and then substitute)

Algebra: U7L5

Date: March 11, 2015	**Topic:** System of Equations

Main Objective: SWBAT find solutions to systems by implementing the elimination method.

Do Now: U7D5	**CRS:** XEI 606 - P
Big Ideas: ➔ Elimination	**Essential Questions:** ➔ **What does a solution to a system of equations mean?** ➔ **How can a system of equations be solved?**

Agenda:

- ★ [5 min] Do Now
- ★ [10 min] Correct Do Now
- ★ [15 min] Discuss HW/Notes
- ★ [40 min] Alternate Practice Problems and Discuss
- ★ [10 min] Exit

Notes:

Key questions: What does elimination mean? How can it be used to solve a system of equations? How is it connected to substitution? How do you eliminate when coefficients are opposites? What if coefficients are the same? What if coefficients are neither the same nor opposites?

HW: ➔ U7D5	**Assessment Questions:** Solve a system using elimination (no manipulation of equations needed) and give x-value

Algebra: U7L6

Date: March 12, 2015	**Topic:** System of Equations
Main Objective: SWBAT find solutions to systems by implementing the elimination method.	
Do Now: U7D6 Do Now	**CRS:** XEI 606
Big Ideas: ➔ Systems of Equations	**Essential Questions:** ➔ **What does a solution to a system of equations mean?** ➔ **What strategies help us solve systems?**

Agenda:

- ★ [5 min] Do Now
- ★ [10 min] Correct Do Now
- ★ [25 min] Discuss HW/Notes
- ★ [35 min] Practice Problems
- ★ [5 min] Exit

Notes:

Key questions:
What does elimination mean?
How can you explain the steps to using the elimination method?
Where do common mistakes occur?

HW: ➔ U7D6 HW	**Assessment Questions:** 1) What is the solution to the following system of equations?

Algebra: U7L7

Date: March 16, 2015	**Topic:** System of Equations

Main Objective: SWBAT choose the best strategy to solve a system of equations

Do Now: U7D7 Do Now	**CRS:** XEI 606
Big Ideas: ➔ Systems of Equations	**Essential Questions:** ➔ **What does a solution to a system of equations mean?** ➔ **What strategies help us solve systems?**

Agenda:

- ★ [5 min] Do Now
- ★ [10 min] Correct Do Now
- ★ [25 min] Review HW/ Notes
- ★ [25 min] Challenge Problems
- ★ [5 min] Begin Study Guide

Notes:

Key questions:
What are the best methods to use when solving a system?
What common mistakes have you been making that you have to watch out for?
How can you help support your peers in your learning?
How can you explain your process to solving equations?

HW: ➔ U7 Study Guide Parts 1-4	**Assessment Questions:** N/A

Algebra: U7L8

Date: March 17, 2015	**Topic:** System of Equations

Main Objective: SWBAT solve systems of equations by activating prior knowledge and implementing the appropriate method for a given situation.

Do Now: U7D8 Growth DN	**CRS:** XEI 606
Big Ideas: ➔ Systems of Equations	**Essential Questions:** ➔ **What does a solution to a system of equations mean?** ➔ **What strategies help us solve systems?**

Agenda:

- ★ [10 min] Do Now
- ★ [15 min] Correct Do Now
- ★ [25 min] Correct Parts 1-4 of Study Guide
- ★ [20 min] Complete Study Guide

Notes:

Key questions:
What were your common mistakes?
How can you prevent yourself from making these on the test?
How can we support our peers in learning the strategies to solve systems?

HW: ➔ Study ➔ Complete Study Guide	**Assessment Questions:** N/A

Algebra: U7L9

Date: March 18, 2015	**Topic:** System of Equations

Main Objective: SWBAT solve systems of equations by activating prior knowledge and implementing the appropriate method for a given situation.

Do Now: U7D9 Do Now	**CRS:** XEI 606
Big Ideas: ➔ Systems of Equations	**Essential Questions:** ➔ **What does a solution to a system of equations mean?** ➔ **What strategies help us solve systems?**

Agenda:

- ★ [5 min] Do Now
- ★ [10 min] Correct Do Now
- ★ [65 min] Test

Notes:

Key questions:
How can you apply learned strategies on the test?
How can you avoid mistakes you commonly made throughout the unit?

HW:	**Assessment Questions:** Unit 7 Test

Algebra: **U7L10**

Date: March 18, 2015	**Topic:** System of Equations

Main Objective: SWBAT solve systems of equations by activating prior knowledge and implementing the appropriate method for a given situation. (Test Corrections)

Do Now: U7D10 Do Now	**CRS:** XEI 606
Big Ideas: ➔ Systems of Equations	**Essential Questions:** ➔ **What does a solution to a system of equations mean?** ➔ **What strategies help us solve systems?**

Agenda:

- ★ [5 min] Do Now
- ★ [10 min] Correct Do Now
- ★ [5 min] Discuss scores
- ★ [60 min] Test Corrections

Notes:
Key questions:
What were your common mistakes?
How can you work to prevent these mistakes in the future?

HW: ➔ U7.5D0 Pre HW	**Assessment Questions:** N/A