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| **Name:** | **David Young** | **Subject:** | **Linear Systems and Statistics** | **Week of:**  | **August 26, 2013** |
| **Lesson Plans** |
|  | **Monday:** | **Tuesday:** | **Wednesday:** | **Thursday:** | **Friday:** |
| **Statement of** **Objective(s)/****Think, Know,****Do(start with a verb)** | Students will assess their knowledge of adding and subtracting matricesStudents will develop rules for multiplying matrices LSM.1.LSS.5/ N.VM.8 | Students will finish developing the rules for multiplying matrices.Using the rules, students will begin practice together with a partner. LSM.1.LSS.5/ N.VM.8 | Students will use rules of multiplication of matricesto practice real life applications LSM.1.LSS.1/ N.VM.6  | Students will review the definition for scalar multiplication of matrices and apply scalar multiplication to geometric figures to produce d LSM.1.LSS.7/ N.VM.12ilations.  | Students will review the definition for matrix addition and subtraction, and apply matrix addition and subtraction to geometric figures to produce translations. LSM.1.LSS.5/ N.VM.8 |
| **Anticipatory****Set/Opening** | Check answers from practice assignment that was done on Friday and finished as homework. | Examine the solution for the last problem on the quiz and review rules that will develop. | Quick poll to begin class to check for understanding of previous day’s assignment | Students will examine two geometric figures (dilations) and determine their relationship. | Students will examine two geometric figures and determine their relationships (translations). |
| **Learning****Activities** | Students will do a Navigator Quiz on scalar multiplication, organizing data, and matrices terminology. After all answers are collected responses will be analyzed together as a class. The last question will be used as an intro. to having students develop the rules for multiplying matrices | Practice multiplying worksheet. | Students will continue practice with multiplying matrices using word problems. | Students will look at figures and create matrices for the changes. Students will work with a partner on transformation worksheet using matrices.  | Students will continue working on the transformation worksheetAnd share results with class. |
| **Assessment of****Student****Understanding****/Closure** | Students will write their ideas on white boards to share with class. | Observation of students working practice problems | Navigator quiz  | Observe student groups with discovery of transformation matrices. | Observation of students working - Formative |