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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 matrices  Students 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 matrices  to 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 worksheet  And 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 |