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| **Name:** |  **David Young**  | **Subject:** | **Algebra II** | **Week of:**  | **March 31, 2014** |
| **Lesson Plans** |
|  | **Monday:** | **Tuesday:** | **Wednesday:** | **Thursday:** | **Friday:** |
| **Statement of** **Objective(s)/****Think, Know,****Do(start with a verb)** | **Introduce arithmetic and geometric sequences**  | **More practice with sequences** | **Students will analyze sequences using the recursive formula** | **Introduce geometric series** | **More practice with geometric series** |
| **Anticipatory****Set/Opening** | **Warm-up activity introducing arithmetic vs. geometric sequences.** | **Students will determine whether given scenarios are arithmetic or geometric sequences.** | **Warm-up activity and discuss assignment from previous day.** | **Class discussion on differences between sequences and series.** | **Answer questions from geometric series worksheet** |
| **Learning****Activities** | **Students will contrast characteristics of arithmetic vs. geometric sequences. Students will work on problems 1 & 3 from application problems worksheet, compare methods used to find answers until an equation is found.**  | **Students will work on arithmetic and geometric sequences worksheet to practice deriving formulas.** | **Students will have class discussion to explain difference between explicit and recursive formulas, then complete recursive arithmetic and geometric sequence worksheet.** | **Students will practice finding the sum of geometric series.** | **Students will solve application problems involving geometric series.** |
| **Assessment of****Student****Understanding****/Closure** | **Observed student practice and discussion/ Complete problems 2&4 for homework.** | **Observe student work.** | **Guide class discussion/observe student work.** | **Answer student questions/observe class discussion and work** | **Assess misconceptions from assignments/ observe student work** |