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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** |