

Carroll High School – Lesson Plans

Teacher: Tracy Hawkins - Week of 9-3-18 to 9-7-18

Subject: Algebra II	Monday	Tuesday	Wednesday	Thursday	Friday
ACCRS:	Holiday – No School	* 14 – Derive the formula for the sum of an infinite geometric series and use the formula to solve problems *27 – Recognize that sequences are functions	* 14 – Derive the formula for the sum of an infinite geometric series and use the formula to solve problems *27 – Recognize that sequences are functions	* 14 – Derive the formula for the sum of an infinite geometric series and use the formula to solve problems *27 – Recognize that sequences are functions	* 14 – Derive the formula for the sum of an infinite geometric series and use the formula to solve problems *27 – Recognize that sequences are functions
Before:		*Go over quiz	*Entrance Slip on Geometric Sequences and Series	*Warm ups using word problem	*Think Pair Share on Geometric Sequences
During:		*Teacher will work with students to find the nth term and geometric means of geometric sequences (I do, we do problems throughout)	*Teacher will work with students to find partial sums of geometric sequences and how to use this to solve problems (I do, we do problems throughout)	*Students will work in groups on word problems involving finding the nth terms and sums of Geometric and Arithmetic Sequences	*Students will take quiz on Geometric Sequences
After:		*Students will work independently on homework problems	*Students will work with group members on classwork	*None	*None
Desired Outcome:		Students will be able to find nth terms and geometric means of geometric sequences.	Students will be able to find partial sums and solve problems with geometric sequences.	Students will be able to use the geometric and arithmetic sequence and sum formulas to solve word problems	Students will be able to find the nth terms, geometric means, and partial sums of geometric sequences
Formative/ Summative:		*Feedback during lesson	*Feedback during lesson and group work	*Feedback during group work	*Feedback during class work *Quiz on Geometric Sequences
Higher Order Questions:		*Where does the $n - 1$ come from in the formula for the nth term?	*Where does the $n - 1$ come from in the formula for the nth term?	*What still confuses me about Geometric Sequences and series?	*What still confuses me about Geometric Sequences and series?
Homework:		Page 678 (18-21; 23-28; 35-38)	Worksheet on Geometric Sequences and series	Word Problem Worksheet	Finish Khan Academy Work