














Unit Reflection: Sequences and Series

 Learning Target	 Success Criteria (What you need to know) 	How well do you know this? (YOU)	Are you sure? (US)
SS1: Arithmetic Sequences	<ul style="list-style-type: none"> ✓ Be able to detect patterns in sequences of numbers ✓ Understand the naming system for terms in sequences ✓ Be able to recognize sequences of numbers as arithmetic sequences ✓ Determine the initial value and common difference of an arithmetic sequence ✓ Be able to write an explicit formula for a given arithmetic sequence 	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹
SS2: More Arithmetic Sequences	<ul style="list-style-type: none"> ✓ Find the value of a specified term of an arithmetic sequence ✓ Given the value of a term of an arithmetic sequence, determine which term in the sequence corresponds to that value. ✓ Be able to write an explicit formula for an arithmetic sequence given various information for that sequence 	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹
SS3: Geometric Sequences	<ul style="list-style-type: none"> ✓ Be able to recognize sequences of numbers as geometric sequences ✓ Determine the initial value and common ratio of a geometric sequence ✓ Be able to write an explicit formula for a given geometric sequence ✓ Find the value of a specified term of a geometric sequence ✓ Given the value of a term of a geometric sequence, determine which term in the sequence corresponds to that value. 	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹
SS4: Recursive Formulas	<ul style="list-style-type: none"> ✓ Write a recursive formula for a given arithmetic sequence ✓ Write a recursive formula for a given geometric sequence ✓ Use a recursive formula to find values of a sequence 	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹
SS5: Introduction to Series	<ul style="list-style-type: none"> ✓ Be able to identify a series as arithmetic, geometric or neither. ✓ Calculate a partial sum of a series 	☺ ☹ ☹ ☺ ☹ ☹	☺ ☹ ☹ ☺ ☹ ☹
SS6: Sigma Notation	<ul style="list-style-type: none"> ✓ Be able to write a partial sum or infinite series in sigma notation ✓ Calculate a partial sum of a series written in sigma notation 	☺ ☹ ☹ ☺ ☹ ☹	☺ ☹ ☹ ☺ ☹ ☹

SS7: Arithmetic Series	<ul style="list-style-type: none"> ✓ Use the formula to calculate the partial sum of an arithmetic series ✓ Understand that the sum of an infinite arithmetic series does not exist 	 	 
SS8: Geometric Series	<ul style="list-style-type: none"> ✓ Use the appropriate formula to calculate the partial sum of a geometric series ✓ Determine if a geometric series has a sum or not ✓ Use the formula to calculate the sum of a diverging, infinite geometric series 	  	  

Reflections:

Goals for NEXT TIME: