



Hattiesburg Public School District

Algebra 1 Mathematics Units

2015 – 2016



Unit 11: Sequences			Time Frame: 1.5 Weeks (Mar 21-30)	
Content Standards			Standards for Mathematical Practice	
Major Standards			<p>(1) Make sense of problems and persevere in solving them.</p> <p>(2) Reason abstractly and quantitatively.</p> <p>(3) Construct viable arguments and critique the reasoning of others.</p> <p>(4) Model with mathematics.</p> <p>(5) Use appropriate tools strategically.</p> <p>(6) Attend to precision.</p> <p>(7) Look for and make use of structure.</p> <p>(8) Look for and express regularity in repeated reasoning.</p> <p>**Delete any mathematical practice that is not a FOCUS of this unit. Remember Flipbook can help you with this.**</p>	
<p>F.IF.A.3 Recognize that sequences are functions, sometimes defined recursively, whose domain is a subset of the integers. <i>For example, the Fibonacci sequence is defined recursively by $f(0) = f(1) = 1$, $f(n+1) = f(n) + f(n-1)$ for $n \geq 1$.</i></p>				
Supporting Standards				
<p>F-BF.A.1 Write a function that describes a relationship between two quantities.*</p> <p style="padding-left: 20px;">a. Determine an explicit expression, a recursive process, or steps for calculation from a context.</p> <p>F-LE.A.2 Construct linear and exponential functions, including arithmetic and geometric sequences, given a graph, a description of a relationship, or two input-output pairs (include reading these from a table).*</p>				
Additional Standards				
Pre-requisite Standards				
Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
Lesson 6	Lesson 7	Lesson 8	Lesson 9	Lesson 10