Hattiesburg Public School District
Algebra I Mathematics Units
2015 – 2016

Unit 6: Polynomial Expressions	**Time Frame:** 2 Weeks (Nov 30 – Dec 11)
Content Standards	**Standards for Mathematical Practice**
Major Standards **A-APR.A.1** Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials. **A-SSE.A.2:** Use the structure of an expression to identify ways to rewrite it. *For example, see x4 – y 4 as (x2) 2 – (y2) 2 thus recognizing it as a difference of squares that can be factored as (x2 – y 2) (x2 + y2).*	(1) Make sense of problems and persevere in solving them. (2) Reason abstractly and quantitatively.** (3) Construct viable arguments and critique the reasoning of others. (4) Model with mathematics. (5) Use appropriate tools strategically. (6) Attend to precision. (7) Look for and make use of structure.*** (8) Look for and express regularity in repeated reasoning. ****Delete any mathematical practice that is not a FOCUS of this unit. Remember Flipbook can help you with this.****
Supporting Standards **A-SSE.A.3** Choose and produce an equivalent form of an expression to reveal and explain properties of the quantity represented by the expression.* a. Factor ~~a quadratic~~	
Additional Standards **N-RN.3** Explain why the sum or product of two rational numbers is rational; that the sum of a rational number and an irrational number is irrational; and that the product of a nonzero rational number and an irrational number is irrational.	
Pre-requisite Standards	

Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
Lesson 6	**Lesson 7**	**Lesson 8**	**Lesson 9**	**Lesson 10**