CARROLL HIGH SCHOOL
LESSON PLANS

Teacher: Mrs. M. Williams

Subject: Algebra	**Monday**	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
ACCRS:	President's Day	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-APR1] Understand that rational expressions form a system analogous to the rational numbers, closed under addition, subtraction, multiplication, and division by a nonzero rational expression; add, subtract, multiply, and divide rational expressions. [A-APR7]	[A-CED3] - Represent constraints by equations or inequalities, and by systems of equations and/or inequalities and interpret solutions as viable or non-viable options in a modeling context. [A-REI12] Graph the solutions to a linear inequality in two variables as a half-plane (excluding the boundary in the case of a strict inequality), and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half-planes. [A-REI5] - Prove that, given a system of two equations in two variables, replacing one equation by the sum of that equation and a multiple of the other produces a system with the same solutions. [A-REI6] - Solve systems of linear equations exactly and approximately (e.g., with graphs), focusing on pairs of linear equations in two variables. 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-APR1]	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-APR1] Understand that rational expressions form a system analogous to the rational numbers, closed under addition, subtraction, multiplication, and division by a nonzero rational expression; add, subtract, multiply, and divide rational expressions. [A-APR7	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-APR1] Understand that rational expressions form a system analogous to the rational numbers, closed under addition, subtraction, multiplication, and division by a nonzero rational expression; add, subtract, multiply, and divide rational expressions. [A-APR7
Before:	President's Day	Warm up adding/ subtracting/ distributive property	Warm up; review homework	Review any questions from the week adding and subtracting polynomials and multiply using the distributive property	Warm up review homework

During:	President's Day	Students will begin taking notes on multiplying polynomials	Notebook Test	Students will begin taking notes on dividing polynomials. The students will use nearpod to complete their notes. Answers to questions throughout the lesson will appear on the board up front	Students will be put in groups of two and they will complete an activity around the room multiplying/ dividing polynomials
After:	President's Day .	Students will be given a guided notes sheet to complete.	Notebook Test.	Students will be answer questions on the computers through nearpod.	They will complete the activity by ending where they start (scavenger hunt).
Desired Outcome:	President's Day	Students will be able to simplify expressions by multiplying polynomials and using the properties of exponents rule	Students will be able to complete the test in a timely manner with accuracy.	Students will be able to simplify expressions by dividing monomials/ polynomials and be able to explain negative exponents	• Students engage in independent practice. • Students apply knowledge to a new situation. • Students summarize a process or procedure
Formative/Summative	President's Day	I will walk around and make sure students are taking notes.	Notebook Test	As questions appear throughout the lesson I will make sure they are understanding the material	Group activity.
Homework:	President's Day	Google classroom	none	Google classroom	none
Higher Order Questions:	President's Day	When you multiply two monomials what do you do with the exponents?	When you distribute when do you know when to stop multiplying?	Can you have a negative exponent why/ why not?	When do you add exponents? When do you subtract exponents? Do you add exponents when the base is different?