CARROLL HIGH SCHOOL
LESSON PLANS

Teacher: Mrs. M. Williams

Subject: Algebra	**Monday**	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
ACCRS:	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 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]	[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]
Before:	Students will be given 15 minutes to complete their test from Friday.	We will discuss any questions from yesterday notes and review before finishing adding/ subtracting polynomials	Warm up; review homework notes.	Review any questions from the week adding and subtracting polynomials and multiply using the distributive property	Clear up any questions from the portfolio.
During:	Students will begin taking notes on combining like terms.	Students will begin taking notes on adding and subtracting polynomials.	Students will begin taking notes on distributive property.	We will start on our portfolio project. The project is using equations/ inequalities to create a picture on a graph.	Students will be put in groups of two and they will complete an activity around the room adding and subtracting polynomials.

After:	Students will be given a guided notes sheet to complete.	Students will be given a guided notes sheet to complete.	Students will be given a guided notes sheet to complete.	Students will begin their picture using desmos.com to create pictures	They will use the QR code app to check their answers.
Desired Outcome:	Students will be able to identify like terms, constants and coefficients.	Students will be able to simplify expressions by adding or subtracting the terms.	Students will be able to simplify expressions by using the distributive property and by adding or subtracting the terms.	• Students engage in independent practice. • Students apply knowledge to a new situation. • Students summarize a process or procedure	• Students engage in independent practice. • Students apply knowledge to a new situation. • Students summarize a process or procedure
Formative/Summative	Teacher will walk around and make sure students are taking notes.	Teacher will walk around and make sure students are taking notes.	Warm up/ examples in notes	I will walk around and access the students and their drawings	Group activity.
Homework:	none	Finish notes on Google Classroom	Google Classroom homework on adding polynomials	Start on their picture portfolio.	none
Higher Order Questions:	What is a like term?	How is adding and subtracting polynomials the same?	When you distribute when do you know when to stop multiplying?	When graphing a line, when you want your graph to start in the same position but go in the opposite direction, what must change?	What is descending order? What is ascending order?