

Carroll High School – Lesson Plans

Teacher: Tracy Hawkins - Week of 12-3-18 to 12-7-18

Subject: Algebra II	Monday	Tuesday	Wednesday	Thursday	Friday
ACCRS:	29-Relate the domain of a function to its graph 30-Graph functions including square root and absolute value functions 33-Write a function that describes a relationship and combine standard function types using arithmetic operations	29-Relate the domain of a function to its graph 30-Graph functions including square root and absolute value functions 33-Write a function that describes a relationship and combine standard function types using arithmetic operations	29-Relate a function to its graph 33-Write a function that describes a relationship and combine standard function types using arithmetic operations	35- Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function f that has an inverse, and write an expression for the inverse.	35- Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function f that has an inverse, and write an expression for the inverse.
Before:	*Write a few sentences: What can I do to improve my grade in this class?	*Entrance Slip on composition of functions	*None	*Questions on quiz	*Warm up on Inverse functions
During:	*Think, Pair, Share on Composition of functions	*Students will work independently on extra practice on operations of functions and compositions of functions	*Students will take a quiz on Operations of Functions and Composition of functions	*Teacher will work with students to understand inverse functions, how to find them, and how to graph them	*Students will work independently on extra practice of inverse functions
After:	*Students will work independently on composition of functions	*Students will work independently on operations/compositions of functions	*None	*Students will work in groups to complete classwork/homework	*None
Desired Outcome:	Students will be able to understand composition of functions and how to evaluate functions and composite functions	Students will be able to perform operations on functions and understand and be able to evaluate composite functions	Students will be able to perform operations on functions and understand how to evaluate composition of functions	Students will be able to understand what an inverse function is and be able to find them.	Students will be able to understand what an inverse function is and be able to find them.
Formative/ Summative:	*Feedback during classwork	*Feedback during extra practice	*Quiz on Operations of functions and Composition of Functions	*Feedback during lesson and group work	*Worksheet on Inverse functions
Higher Order Questions:	*How do you perform operations on functions and how do you evaluate composition of functions	*What still confuses me about operations of functions? *What still confuses me about composite functions?	*What still confuses me about operations of functions? *What still confuses me about composition of functions	*What does inverse mean? *What is an inverse function/how do you find it?	*What does inverse mean? *What is an inverse function/how do you find it?
Homework:	Finish Worksheet	Worksheet on Operations & Comp. of functions	None	Page 396 (10,12,14, 16, 18, 24, 26; 28, 30, 32, 36)	Worksheet on Inverse functions