

Carroll High School – Lesson Plans

Teacher: Tracy Hawkins - Week of 8-20-18 to 8-24-18

Subject: Algebra II	Monday	Tuesday	Wednesday	Thursday	Friday
ACCRS:	*29 - Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes.	*29 - Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes.	*28 – For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities	*23 - Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations.	*23 - Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations.
Before:	*Warm Up: Vocabulary questions on Functions; *Answer questions on homework	*Answer questions on homework	*Warm Up: Students will find a pattern and discuss it	*Go over quiz on functions and sequences	*Answer questions on homework *Review functions and sequences
During:	*Teacher will review function basics. *Exit Slip on function basics	*Teacher will review finding Domain and Range of functions *Teacher will review evaluating functions *Think, Pair, Share on Domain, Range, and Evaluating functions	*Teacher will work with students identifying sequences as functions and determining if a sequence is arithmetic or geometric. *Think, Pair, Share on questions during lesson *Stamp Activity	*Teacher will work with students to understand how a sequences relates to a function and start developing the notion of using the point-slope formula to find nth terms in a sequence	*Students will take a quiz on Functions and sequences
After:	*Students will work independently on relations and functions	*Students will work independently on domain, range, and evaluating functions	*Students will work independently on homework	*Group work on word problems	*None
Desired Outcome:	Students will demonstrate an understanding of the different types of functions, decide if a relation is a function and identify domain & range	Students will be able to identify the domain and range of functions and be able to evaluate functions at certain values	Students will understand the different kinds of sequences.	Students will understand how a sequences relate to a function and how to use the point-slope formula to find nth terms in a sequence	Students will be able to identify functions, domains, ranges, and types of sequences.
Formative/ Summative:	*Feedback during lesson and think, pair, share	*Feedback during lesson and think, pair, share	*Feedback during lesson	*Feedback during group work	*Quiz on Functions & Sequences
Higher Order Questions:	*Explain how you know a function. *Can you identify Domain and Range by looking at a graph?	*Explain how you know a function. *Can you identify Domain and Range by looking at a graph?	*What is the difference between arithmetic and geometric sequences and how do I find additional terms of a sequence?	*How does the slope of a linear function relate to the common difference of an arith. sequence?	*What still confuses me about functions and sequences?
Homework:	Page P5 (1-8)	Worksheet	Worksheet on Sequences	Finish Word problems	None