Carroll High School – Lesson Plans
Teacher: Tracy Hawkins - Week of 9-24-18 to 9-28-18

Subject: Algebra II w/Trig	Monday	Tuesday	Wednesday	Thursday	Friday
ACCRS:	Substitute this day	*28 – For a function that models a relationship between 2 quantities, interpret key features of graphs and sketch graphs using key features	*28 – For a function that models a relationship between 2 quantities, interpret key features of graphs and sketch graphs using key features	*28 – For a function that models a relationship between 2 quantities, interpret key features of graphs and sketch graphs using key features	*29 – Relate the domain of a function to its graph *34 – Identify the effect on the graph of replacing f(x) by f(x) +k, kf(x), f(kx) and f(x+k) for specific values of k (both positive and negative)
Before:		Question: What does reflection across the origin look like?	Warm Up – Graphs of functions to decide if even or odd	Go over homework problems	Warm ups: Where do domain changes occur in a function? What about range changes?
During:	*Students will work on Khan Academy assignments	*Teacher will work with students on discovering what represents even/odd functions doing problems 1, 3, 5, 7, & 9 using graphing calculators to check their answers	*Students will work in groups to complete Problems #2, 4, 6, 8, & 10 using graphing calculators to check their answers	*Students will finish up even/odd function problems #11-15 using graphing calculators to check their answers	*Teacher will work with students to transform functions and identify new domains and ranges of the transformation by graphing. Do Problems #1, 4, 7, & 8 together.
After:		*Students will work in groups completing even/odd functions	*Students will work in groups on even/odd functions	*Talk about what transformations they should understand	*Students will work in groups to finish graphing transformations #2, 3, 5, 6, & 9
Desired Outcome:	Students will review some Algebra 1 concepts using www.khanacademy.com	Students will understand how to identify even/odd functions	Students will understand how to identify even/odd functions	Students will understand how to identify even/odd functions	Students will be able to transform graphs and identify the new domain and range from the transformed graph
Formative/ Summative:	*Graded Khan academy work	*Feedback during lesson & group work	*Feedback during group work	*Feedback during group work	*Feedback during lesson and group work
Higher Order Questions:		*What makes a function even/odd?	*What makes a function even/odd?	*What still confuses me about even/odd functions?	*What is the domain of a graph? *What is the range of a graph?
Homework:	Finish Khan Academy work	None	Finish Problems (2,4,6,8,10)	Finish Problems (11-15)	Finish Problems (2,3,5, 6,& 9)