Mrs. Medlen
Pre-Calculus
Lesson Plans

CARROLL HIGH SCHOOL

	Monday 2/5	Tuesday 2/6	Wednesday 2/7	Thursday 2/8	Friday 2/9
ACCRS (Objectives):	For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship. Key features include intercepts; intervals where the function is increasing, decreasing, positive, or negative; relative maximums and minimums; symmetries; end behavior; and periodicity. (F-IF4) .(+) Understand the inverse relationship between exponents and logarithms, and use this relationship to solve problems involving logarithms and exponents. [F-BF5] 25. Compare effects of parameter changes on graphs of transcendental functions. Example: Explain the relationship of the graph y = ex-2 to the graph y = ex				
Before:	*Test (Parent Functions)	*Warm-Up Set (Function Graphs)	*Warm-Up Set (Function Graphs)	*Quiz (Function Graphs)	*ACT Warm-Up
During:	*Lesson: Parent Function Translations	*Lesson: Parent Function Translations	*Spiral Review Problems	*ACT Presentations	*Lesson: Exponential Functions and Logarithms
After:	*Group Collaboration Set *ACT Presentations	*Matching Activity: Graph Translations	*Group Presentations	*ACT Presentations	*Group Collaboration Set/HW Set
Desired Outcome:	Students will demonstrate their understanding of the graphs of parent functions.	Students will be able to graph functions based on their parent graphs.	Students will review graphing functions. Students will review previous pre-calculus concepts learned throughout the year.	Students will demonstrate their understanding of graphing functions. Students will work ACT -style questions	Students will be able to solve exponential equations and logarithms.
Formative/ Summative:	Test	Student questioning throughout lesson		Quiz	Student questioning throughout lesson
Critical Questions:	*Explain how to graph functions using the translation of the parent functions*		*n/a*	*n/a*	*Explain the meaning of an exponential function. What is a logarithm? Explain the rules for simplifying logarithms.*