**Lesson Plan**

Bickett Week of: \_\_\_September 7-11, 2020\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pre-Calculus

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| **Daily**  **Agenda** | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| **Critical Vocabulary:** Domain, Range, Function, Vertical Line Test, Increasing, Decreasing, Constant, Interval Notation, Even Function, Odd Function | | | | | |
| **Common Core/Quality Core Standard:**  KY.HS.F.1 Understand properties and key features of functions and the different ways functions can be represented.  a. Understand that a function from one set (called the domain) to another set (called the range) assigns to each element of the domain exactly one element of the range. If f is a function and x is an element of its domain, then f(x) denotes the output of f corresponding to the input x.  b. Using appropriate function notation, evaluate functions for inputs in their domains and interpret statements that use function notation in terms of a context.  KY.HS.F.4 Graph functions expressed symbolically and show key features of the graph, with and without using technology (computer, graphing calculator). ★  e. Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions)  f. (+) Graph piecewise functions, including step functions. | | | | | |
| **Learning Target**  Students will |  | Apply functions to real-world problems. | Evaluate and graph piecewise defined functions. | Evaluate and graph piecewise defined functions. | Evaluate and graph piecewise defined functions. |
| **Instructional Method(s)** |  | Discussion  Technology  Cooperative  Learning | Lecture  Technology | Discussion  Technology | Discussion  Technology |
| **Strategies/**  **Activities** | No School | Zoom Meeting: Review Functions and answer questions  (give an example during meeting of real- life example) | Edpuzzle Video: Graphing Piece-wise Defined Functions (1.2 #2 Notes) | Zoom Meeting: Discuss missed problems and answer questions | Edpuzzle Video: Graphing Piecewise Functions with Graphing Calculator & Desmos |
| **Intended Homework** |  | Function Real Life Project – Quiz Grade |  | GC Piecewise Worksheet (Pg. 97 #43 – 46 by hand) | embedded questions in video |
| **Formative Assessment** |  | Teacher Observation  Completed assignment | Teacher Observation  Completed assignment | Teacher Observation  Completed assignment | Teacher Observation  Completed assignment |
| **Summative Assessment Tentative Date:** | | | | | |
| **Modifications/Accommodations as Needed :** Prompting, cueing, modeling, paraphrasing, individual assistance, extra time, oral directions, peer tutoring | | | | | |

\*\*All plans are subject to change\*\*