Teacher Name: Sierra H-Jordan. **Subject: Math I**

RRGSD Remote Instruction Learning Plan

Dates: October 26, 2020 - October 30, 2020

Statement of Goals and Objectives: *(Learning Targets in Student & Parent-Friendly Language)*	• The student will **explain** an exponential function using multiple representations as a model of growth or decay.[NC.M1.F-IF.2, NC.M1.F-IF.8b] • The student will **apply** the properties of exponents to write expressions in equivalent forms.[NC.M1.N-RN.2] • The student will **use** the standard form of an exponential function to graphically represent a translation between pairs of functions.[NC.M1.F-LE.5] • The student will **identify** situations as linear or exponential based on average rate of change. [NC.M1.F-LE.3] • The student will **recognize** the difference between factor and rate in an exponential functions.[NC.M1.F-LE.5]
Topic(s)/Concept & NC Standard Course of Study: *Topic(s)/Concept and the correlating content standards addressed)*	• **NC.M1.F-IF.2:** Understand the concepts of a functions and use function notation. Use function notation to evaluate linear, quadratic, and exponential functions for inputs in their domains, and interpret statements that use function notation in terms of a context • **NC.M1.N-RN.2**: Extend the properties of exponents. Rewrite algebraic expressions with integer exponents using the properties of exponents • **NC.M1.F-IF.8b**: Analyze functions using different representations. Interpret and explain growth and decay rates for an exponential function. • **NC.M1.F-LE.3**: Construct and compare linear and exponential models and solve problems. Compare the end behavior of linear, exponential, and quadratic functions using graphs and tables to show that a quantity increasing exponentially eventually exceeds a quantity increasing linearly or quadratically • **NC.M1.F-LE.5:** Interpret expressions for functions in terms of the situation they model. Interpret the parameters a and b in a linear function f(x)=ax+b or an exponential function g(x)=abx in terms of a context.
Social-Emotional Focus	

Daily Agenda: Including assignments and due dates

Date:	Virtual/Remote	Check-In Times for Virtual:
Monday	BENCHMARK REVIEW	• Office Hours 10-12 LIVE AT 1pm

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Tuesday	BENCHMARK REVIEW	• Office Hours 10-12
Wednesday	Math I Benchmark (NC Check In's)	• Office Hours 10-12
Thursday	Rules of EXPONENTS, Laws of Exponents Unit 4: Study Guide Exponential Growth and Decay Exponential Equations (Word Problems)	• Office Hours 10-12 LIVE at 9am
Friday	Unit 4: Study Guide Exponential Growth and Decay Exponential Equations (Word Problems) ASSIGNMENT: Mastery Connect Code: 272964	• Office Hours 10-12

Assessment:

How will I be assessing my students throughout this week?

Formative Assessment(s)	
Summative Assessment(s)	Unit Assessment/mastery connect
How will I know my students have **mastered the content** from this week?	Review data from test results.

Additional Resources:

If a student needs additional support, below are resources that will assist with the material being taught.

Topic/Concept	Website/Location resource can be found
	Khan Academy Symbaloo (on google classroom under resources) Teacher recorded videos on google classroom