Teacher Name: **Subject:**

Mark Snead **Calculus**

RRGSD Remote Instruction Learning Plan

Dates: ____11/16____ - __11/20_____

Statement of Goals and Objectives: *(Learning Targets in Student & Parent-Friendly Language)*	• Students will learn the definition of a Derivative • Students will learn how to find a Derivative algebraically • Students will apply Derivatives to model and solve problems
Topic(s)/Concept & NC Standard Course of Study: *Topic(s)/Concept and the correlating content standards addressed)*	• 2.5 Applying the Power Rule • 2.6 Derivative Rules • 2.7 Derivatives of LN and e • 2.8 Product Rule • 2.9 Quotient Rule • 2.10 Derivative Rules for Trigonometric Functions • 3.1 Chain Rule • 3.2 Implicit Differentiation • 3.4 Inverse Trig Derivatives • 3.6 Higher Order Derivatives • 4.2 Position, Velocity, and Acceleration • 4.5 Related Rates • 5.4 1st Derivative Test • 5.7 2nd Derivative Test • 5.11 Optimization
Social-Emotional Focus	Self Awareness and Self-Management

Daily Agenda: Including assignments and due dates

Date:	Virtual/Remote	Check-In Times for Virtual:
Monday	Live Session on Implicit Differentiation	9am-10am Live Session 10am-12pm Office Hours
Tuesday	Video on Implicit Differentiation	10am-12pm Office Hours
Wednesday	Video on Related Rates	10am-12pm Office Hours
Thursday	Live Session on Related Rates	10am-12pm Office Hours 1pm-2pm Live Session
Friday	Video on Related Rates	10am-12pm Office Hours

Assessment:

How will I be assessing my students throughout this week?

Formative Assessment(s)	Assigned Homework each day of the week
Summative Assessment(s)	Cumulative Assessment at the end of the week

Teacher Name: **Subject:**

How will I know my students have **mastered the content** from this week?	I will check each assignment that is submitted and see where each student is doing well and where the student needs remediation. I will answer questions by email or during Office Hours.

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
Calculus/1st Derivative Test	https://www.khanacademy.org/math/ap-calculus-ab/ab-diff-analytical-applications-new/ab-5-4/a/applying-the-first-derivative-test-to-find-extrema
Calculus/2nd Derivative Test	https://www.khanacademy.org/math/ap-calculus-ab/ab-diff-analytical-applications-new/ab-5-7/v/second-derivative-test
Calculus/ Motion Problems	https://www.khanacademy.org/math/ap-calculus-ab/ab-diff-contextual-applications-new/ab-4-2/v/motion-problems-with-derivatives
Calculus/ Optimization	https://www.khanacademy.org/math/ap-calculus-ab/ab-diff-analytical-applications-new/ab-5-11/e/optimization
Calculus/ Implicit Differentiation	https://www.khanacademy.org/math/ap-calculus-ab/ab-differentiation-2-new/ab-3-2/v/implicit-differentiation-1
Calculus/ Related Rates	https://www.khanacademy.org/math/ap-calculus-ab/ab-diff-contextual-applications-new/ab-4-4/v/rates-of-change-between-radius-and-area-of-circle