Teacher Name: **Subject:**

Mark Snead **Calculus**

RRGSD Remote Instruction Learning Plan

Dates: ____2/8____ - __2/12_____

Statement of Goals and Objectives: *(Learning Targets in Student & Parent-Friendly Language)*	• Students will learn the definition of an Integral • Students will learn how to find an Integral algebraically • Students will learn how to find an Integral with technology • Students will apply Integrals to model and solve problems
Topic(s)/Concept & NC Standard Course of Study: *Topic(s)/Concept and the correlating content standards addressed)*	• 6.2 Approximating Areas with Riemann Sums • 6.3 Riemann Sums, Summation Notation, and Definite Integral Notation • 6.4 The Fundamental Theorem of Calculus and Accumulation Functions • 6.5 Interpreting the Behavior of Accumulation Functions Involving Area • 6.6 Applying Properties of 3 Definite Integrals • 6.7 The Fundamental Theorem of Calculus and Definite Integrals • 8.4 Finding the Area Between Curves Expressed as Functions of x • 8.5 Finding the Area Between Curves Expressed as Functions of y • 8.6 Finding the Area Between Curves That Intersect at More Than Two Points • 8.7 Volumes with Cross Sections • 8.9 Volumes with Disc Method around x-axis and y-axis
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 Volumes of Solids	8:30am Live Session 1pm Office Hours
Tuesday	Live Session on Volumes of Solids	8:30am Live Session 1pm Office Hours
Wednesday	Live Session on Volumes of Solids	8:30am Live Session 1pm Office Hours
Thursday	Live Session on Volumes of Solids	8:30am Live Session 1pm Office Hours
Friday	Live Session on Volumes of Solids	8:30am Live Session 1pm 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/ Area Under a Curve	https://www.khanacademy.org/math/ap-calculus-ab/ab-applications-of-integration-new/ab-8-4/v/evaluating-simple-definite-integral
Calculus/Area Between Curves	https://www.khanacademy.org/math/ap-calculus-ab/ab-applications-of-integration-new/ab-8-4/v/evaluating-simple-definite-integral
Calculus/Volume	https://www.khanacademy.org/math/old-integral-calculus/volume-using-calculus-ic