

RRGSD Remote Instruction Learning Plan

Dates: May 10 - May 14

Statement of Goals and Objectives: <i>(Learning Targets in Student & Parent-Friendly Language)</i>	Students will be able to: • Distinguish between acids and bases based on formula and chemical properties. • Differentiate between concentration (molarity) and strength (degree of dissociation). No calculation involved. • Use pH scale to identify acids and bases. • Interpret pH scale in terms of the exponential nature of pH values in terms of concentrations. • Relate the color of indicator to pH using pH ranges provided in a table. • Compute pH, pOH, [H⁺], and [OH⁻] • Distinguish properties of acids and bases related to taste, touch, reaction with metals, electrical conductivity, and identification with indicators such as litmus paper and phenolphthalein. • Compute concentration (molarity) of solutions in moles per liter. • Calculate molarity given mass of solute and volume of solution. • Calculate mass of solute needed to create a solution of a given molarity and volume. • Solve dilution problems: $M_1V_1 = M_2V_2$. • Perform 1:1 titration calculations: $M_1V_1 = M_2V_2$ • Determine the concentration of an acid or base using titration. Interpret titration curve for strong acid/strong base.
Topic(s)/Concept & NC Standard Course of Study: <i>Topic(s)/Concept and the correlating content standards addressed</i>	• Chm.3.2.1 Classify substances using the hydronium and hydroxide concentrations. • Chm.3.2.2 Summarize the properties of acids and bases. • Chm.3.2.3 Infer the quantitative nature of a solution (molarity, dilution, and titration with a 1:1 molar ratio). • Chm 3.2.6 Explain the solution process.
Social-Emotional Focus	• Daily openers and end-of week check-in will address social-emotional learning. • Live sessions will allow for personal interaction. • One-on-one tutoring by appointment • RRHS Counselors will provide resources in the grade level Google classrooms

Daily Agenda: Including assignments and due dates

Date:	Virtual/Remote Agenda	JacketTime Opportunity Agenda
Monday Will be administering AP Exam	 Opener NO Live @ 8:30-9:55 -  Quiz: Gas Laws Notes: Concentration and Molarity - video lesson	

Teacher Name: Kelly Sparks

Subject: Honors Chemistry

	Practice: Concentration • Molarity #1-14	
Tuesday	 Opener Live @ 8:30-9:55 - Notes: Continue with Dilution and Titration in the Concentration slideshow Practice: Concentration • Dilution and Titration	JT B - Science Tutorial
Wednesday	 Opener Live @ 8:30-9:55 - Notes: Acids and Bases Practice: pH and pOH Calculations	
Thursday	 Opener Live @ 8:30-9:55 - Continue pH and pOH Calculations	JT A - Science Tutorial
Friday	 Opener Live @ 8:30-9:55 -  Lab: Acids and Bases Unit 8 Review	

Assessment:

How will I be assessing my students throughout this week?

Formative Assessment(s)	Practice and lab assignments, quiz
Summative Assessment(s)	
How will I know my students have mastered the content from this week?	Opener responses, class discussions, submitted practices

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