Co-Teaching Lesson Plan

Teacher 1: Kait	lyn Ray Teach	her 2: Mary Griffin
Co-Teaching Approa		ront of each approach outlined in the lesson. Team Teaching Teach,One Assist X Alternative Teaching
Subject: Biology	Topic/Lesson: Enzymes-Reactivity of En	Date: 6-27
Standard(s):	vestigate and understand the chemical and	I biochemical principles essential for life. Key
nature of enzymes and to equation. Perform prope	he conditions which can cause a change in	n order to solve a posed problem. Understand the their reactivity. Know the parts of a chemical
test tube racks, timers, o	est tubes, peroxide, pipettes, water, vinegar, exygen probe, and gloves. Pre-set plates wit	, baking soda solution, cooked liver, ice cold liver, th materials set out in groups.
Vocabulary: Enzyme, catalyst, substr	rate, activation energy, catalase, optimum, p	oroduct, denature, and reactant.
Lesson Component	Teacher 1	Teacher 2
Anticipatory Set Co-Teaching Approach: Teaming	 Pose a problem: You are a scienticalled in to the site of a mine cave in. The are people trapped inside. With the mine cut off the oxygen available is quick running out. It is your job to talk the trapper miner through the process of creating oxygen so that they do not suffocate. At they have is access to the lunches of the miners and the bodies of the decease. Design an experiment to determine how you could create as much oxygen as possible with the resources given. I will review the concept of enzymes are how enzymes work with students. I will as them to recall vocabulary words and as them to produce the enzyme-substrated diagram. I will introduce the catalase, hydrogen. 	a mine? Are there mines in the country or area you live in? Are you familiar with any cave ins or accidents? Access prior knowledge and cultural differences. 4. As teacher #1 discusses enzymes and reviews prior learning, teacher #2 will write notes on the board to remind students of vocabulary and concepts. 6. Write the catalase, hydrogen peroxide reaction on the board.
Lesson: Activities/ Procedures	peroxide reaction to the students. 1. REVIEW SAFETY!! 3. Take 2 of the groups and begin to discussing the expectations of the lab, wh	• 1

Co-Teaching Approach: Parallel Teaching	they need to create, and discussing the check in process. I will also take this opportunity to review any questions that students may have about the content. 4. The students will be allowed to brainstorm and discuss their ideas with their group. Overall the goal is for students to create a procedure to be checked off by the teacher. 5. I will monitor safety, behavior, and understanding. I will guide students when they get stuck, sign off on their procedure, and guide them through carrying out their procedure.	3. Take 2 of the four groups and begin by discussing the expectations of the lab, what they need to create, and discuss the check in process. I will also take this opportunity to review any questions students may have. Allow students to brainstorm and discuss their ideas and then implement their experiments. Monitor safety, behavior, and understanding. Keep them on track! Check off on their procedure.
Guided/Independent Practice	Students will answer the set of analysis questions at the end of the lab, where they will review the key terms and will look at the graph of enzyme reactions.	Students will then answer a set of analysis questions at the end of the lab, where they will review the key terms and will look at the graph of enzyme reactions.
Co-Teaching Approach: Parallel Teaching		
Closure	We will come back together as a whole group and will discuss the different procedure that the groups chose, the results that they received, and why they saw those results.	Assist and encourage students with sharing their ideas.
Co-Teaching Approach: One Teach-One Assist	We will discuss which setup would lead to the best outcome for the trapped miners.	
Formative Assessment Strategies	-Check for understanding through circulation, conversation with students during the lab, as well as the understanding presented in the analysis questions. -On the next day of class there will be a Kahoot to check for overall understanding.	Circulate through the room to check for understanding and answer questions.
Co-Teaching Approach: All of the above	Č	
Homework	N/A	

Specially Designed Instruction and Accommodations, Modifications for Specific Students	Alternate Teaching-for the students that struggled the most with the vocabulary during this lab. The small group will be taken out to complete a concept comparison between catalyst and activation energy on the next day of instruction.
Notes:	