Berea MS Lesson Plan 2025 - 2026 Week (Specific Dates): 8/18 - 8/22 **Teachers**: Taylor, Dando, Blasabas **Grade/Subject: Science 8**

Unit Title:	Lab Safety
Unit Vocabulary:	Beaker, Graduated cylinder, Erlenmyer flask, Test tube, Test tube rack, Test tube holder, Bunsen burner, Tongs, Heat-resistant gloves, Ring stand and ring, Pipette, Forceps, Triple beam balance, Digital scale, Thermometer, Spring scale, Googles, Metric ruler, spring scale, pipette/dropper
Upcoming Common Assessments (MasteryConnect):	Lab Safety Quiz on 8/22

	Standard(s) + Learning Objective	**Activating Experience** (Opening, may include "Scholar Starter")	**Learning Experience** (Work Time: SB Materials and Resources, Vocab, Scaffolds/Supports, SWRL, Costas)	**Formative or Summative Assessment(s)**	**Summarizing Experience** (Closing)	**WICOR, AVID and/or ELLevation Strategies** (aligned with learning objective)

M O N D A Y	**Standard** (write out)**:** N/A **Learning Objective** **Skill (what), Content (why), Product (how):** The scholars can understand what are safe practices in a lab setting and why they are important by watching videos and participating in guided discussions.	Lab Safety Scenarios: Identify all of the mistakes and violations of rules within the lab setting. Follow with think-pair-share then class discussion of answers (15)	**Standards Based Materials & Resources:** Students explore activities involving lab safety and proper behavior and equipment use while in lab 1. **Amoeba Sisters Lab Safety Video (6)** 2. **Safety Procedures in the Laboratory Presentation (10)** 3. **Students review and sign safety contract (5)** **Content/Academic Vocabulary:** Lab safety; googles, gloves, aprons, safety equipment, safety symbols **ILAP/IEP/504 Scaffolds & Supports:** Visuals (video and worksheet and presentation; collaborative learning; spanish captions on video; peer collaboration and graphic organizer with visuals. **Opportunities to SWRL:** Think-Pair-Share; written responses on video recap worksheet; reading scenarios **Costa's Levels of Thinking/Questioning:** **Level 1:** What are the safety rules in the science laboratory? **Level 2:** How would you handle a situation where a glassware breaks? **Level 3:** A scholar pours a chemical solution into a beaker without wearing gloves, as a lab supervisor, what strategies and disciplinary actions would you implement to ensure every scholar always uses proper personal protective equipment (PPE) properly?	Formative: Have scholars show yes/no examples of lab safety in the document and properly identify safety symbols on the worksheet.	Amoeba Sisters Video Recap Worksheet (10)	W - written responses on video recap and lab safety scenarios starter I - identifying what is wrong in the safety scenarios documents C - think pair share with scenarios; O - materials are organized in scholar AVID binder (use 5th tab) R - safety scenarios reading

TUESDAY	**Standard** (write out)**:** N/A **Learning Objective** **Skill (what), Content (why), Product (how):** The scholars will be proficient in the use of proper laboratory equipment by identifying them correctly in order to use them effectively and safely in labs.	Activate prior knowledge: Scholars identify as many science tools as they can from those pictured. Review answers after the presentation, how many did you recall? (10)	**Standards Based Materials & Resources:** Scholars view lab equipment presentation. The teacher will go over proper lab equipment handling and usage. Scholars complete frame activity, participate in a gallery walk of equipment, and complete the exit ticket/close. **1. Types of Lab Equipment (10)** Review answers after the presentation, how many did you recall? **2.** Lab Safety/Equipment Review **(10)** **3. Lab Equipment Gallery Walk (15)** **4. Lab Equipment & Safety Exit/Close (7)** **Content/Academic Vocabulary:** Beaker, graduated cylinder, erlenmeyer flask, test tube, holder & rack; tongs, heat resistant gloves; ring stand and ring; pipette; forceps, triple beam balance, digital scale; thermometer, spring scale, goggles. **ILAP/IEP/504 Scaffolds & Supports:** Activating prior knowledge; visuals; word bank; manipulatives; peer collaboration; sentence stems **Opportunities to SWRL:** Collaboration; close writing; sentence frames **Costa's Levels of Thinking/Questioning:** **Level 1:** What does a thermometer measure? What does a graduated cylinder measure? **Level 2:** How is a beaker different from a test tube? **Level 3:** Imagine your friend is using a tool the wrong way. What would you do to help them stay safe?	Sentence frame activity to identify the functions of lab equipment and review lab equipment terms	Lab Safety/Equipment Review **Lab Equipment & Safety Exit/Close** Liveworksheet - Laboratory Equipment	W - close I - activating prior knowledge C - gallery walk O - avid binder R - sentence frames
WEDNESDA	**Standard** (write out)**:** N/A **Learning Objective** **Skill (what), Content (why), Product (how):** The scholars will be able to apply what they have learned about lab safety rules	Review: Lab Equipment (5)	**Standards Based Materials & Resources:** 1. Review lab safety rules by reading story and finding lab safety mistakes SpongeBob Lab Safety Worksheet (15) 2. Lab Equipment 1-Pager Template (20) 3. Lab Equipment Group Sort Challenge (10) **Content/Academic Vocabulary:** Safety rules, lab equipment: beaker, metric ruler,	Lab Equipment Group Sort Challenge (10) Scholars will show what they have learned by completing the	Lab Equipment Group Sort Challenge Liveworksheet - Laboratory Safety Rules	W - 1 pager I - 1 pager research C - group sort O - avid binder R - lab safety worksheet

Y	by identifying lab safety mistakes and identifying uses of lab equipment.		triple-beam balance; graduated cylinder; flask; metric ruler; test tube; test tube holder; microscope; spring scale; pipette/dropper **ILAP/IEP/504 Scaffolds & Supports:** Visuals on sort and review; cooperative learning; manipulatives; vocabulary development; word bank; shortened responses on 1-pager **Opportunities to SWRL:** Collaborative activities; 1-pager; lab safety reading **Costa's Levels of Thinking/Questioning:** **Level 1:** What should you do if there is a spill in the lab? **Level 2:** What could happen if someone heats a chemical without wearing gloves? **Level 3:** If someone mixed two chemicals without asking the teacher, what problems might happen?	science equipment sort.		
THURSDAY	**Standard** (write out)**:** N/A **Learning Objective** **Skill (what), Content (why), Product (how):** The scholars will be able to demonstrate their understanding of lab safety rules and equipment by participating in a lab safety and equipment Jeopardy game and completing an interactive safety lab activity.	Pictures of lab gone wrong - scholars discuss with his/partner what lab safety is violated based on the picture	**Standards Based Materials & Resources:** 1. BioNetwork | Lab Safety **- Interactive Review (25)** 2. **Lab Safety & Equipment Jeopardy (15)** https://jeopardylabs.com/play/lab-safety-and-equipment https://jeopardylabs.com/play/lab-safety-jeopardy **Content/Academic Vocabulary:** Beaker, Graduated cylinder, Erlenmyer flask, Test tube, Test tube rack, Test tube holder, Bunsen burner, Tongs, Heat-resistant gloves, Ring stand and ring, Pipette, Forceps, Triple beam balance, Digital scale, Thermometer, Spring scale, Googles, Metric ruler **ILAP/IEP/504 Scaffolds & Supports:** Collaboration; visuals; answer wh-questions **Opportunities to SWRL:** Jeopardy - S & R; L - Safety interactive; collaboration - jeopardy teams	successful completion of lab safety interactive	Jeopardy	W-activating activity/level of thinking questions I - Safety Interactive C - jeopardy teams O-avid binder R - safety interactive

			Costa's Levels of Thinking/Questioning: **Level 1:** What is the purpose of wearing goggles in the lab? **Level 2:** Why is it important to tie back long hair during an experiment? **Level 3:** How would you respond if a classmate broke a glass beaker and didn't report it?			
F R I D A Y	**Standard** (write out)**:** N/A **Learning Objective** **Skill (what), Content (why), Product (how):** The scholars will be able to show mastery of lab safety PRIOR to engaging in any lab-related activity by scoring at least an 80% on the lab safety assessment - Lab Safety and Equipment Quiz		**Standards Based Materials & Resources:** Quiz in Mastery Connect Vocabulary Graphic Organizer **Content/Academic Vocabulary:** Beaker, Graduated cylinder, Erlenmyer flask, Test tube, Test tube rack, Test tube holder, Bunsen burner, Tongs, Heat-resistant gloves, Ring stand and ring, Pipette, Forceps, Triple beam balance, Digital scale, Thermometer, Spring scale, Googles, Metric ruler, spring scale, pipette/dropper **ILAP/IEP/504 Scaffolds & Supports:** ML Scholars will receive a paper with two answer choices marked out. Scholars **Opportunities to SWRL:** Reading quiz ques; written vocabulary **Costa's Levels of Thinking/Questioning:** **Level 1:** **Level 2:** **Level 3:**	Summative: Lab Safety Quiz Unit 1 Vocabulary Chart - copy, add visuals and add to unit 1 tab in binder	N/A	W - vocabulary I C O - binder R - vocab w/visuals