

LAB SAFETY

Everything you need to know about working in Mrs Gillum's lab incase you were afraid to ask!

Lab Safety Contracts

 **SUCCESS**

Purpose Statement

The study of science is activity based; therefore, safety is a primary concern for students, teachers, and parents. To ensure a safe science environment, I am providing a list of rules in the student safety contract.

Safety Procedures to Follow Before Going to the Lab



- [Requirements](#)
- [Rules](#)
- [First Aid](#)
- [Equipment](#)
- [Clothing](#)

Requirements



- The copy of this contract must be signed by you (the student) and your parent or guardian, returned, and stamped by me before you can participate in activities. (It's due on Friday!)
- You must also complete the worksheets in the booklet and the take home test by next Monday.

- You are to conduct yourself in a responsible manner at all times when participating in activities.
- Know the locations and operating procedures of all safety equipment.
- Horseplay, practical jokes, pranks, and other distractions are unsafe and will not be tolerated.
- Have on your desk only materials required to perform the activity.
- Be sure to ALWAYS have a pencil!



**You could
be ticketed**

- Carefully follow all written and oral instruction.
- Do not perform any activity that is not assigned or authorized by me
- Keep you work area clean and organized.
- You may not leave your assigned work area unless instructed by me (this is not a time to go to different groups and gab!)
- Students are not permitted in storage or preparation area.

**Three
Tickets
And You
Are OUT!**



First Aid

•Report **All** accidents, spills, or injuries to MrsG immediately.

- Know proper first aid procedures in case of accident or injury.
- If any chemical should splash in your eyes or on your skin, immediately rinse with running water and have one of your team members come and get me.
- All objects contaminated with blood or other bodily fluids must be reported to the teacher immediately for cleaning and/or proper disposal.
- If you get hurt FIND ME AND TELL ME Immediately! Don't wait until the end of class!

Equipment



- Examine electrical equipment for any frayed cords, exposed wires and loose connections.
- Make sure your hands are dry before handling any electrical equipment.
- If you do not understand how to use a piece of equipment, PLEASE ask me for help.
- Handle sharp or pointed instruments appropriately and with care.



CLOTHING



- Safety goggles must be worn whenever you work with chemicals, flames, heat, glassware or any substance that might get into your eyes.
- Tie back long hair. Please bring a rubberband
- Secure loose clothing and long sleeves.
- Ladies, do NOT wear scoop neck shirts or short shorts on lab days. NO LAB IF YOU DO.
- Wear shoes that **completely cover your feet**.
- Wear a lab apron when working with chemicals or substances that can stain or cause injury.

Safety During and After the Lab

- [Chemicals](#)
- [Heating](#)
- [Glassware](#)
- [Outdoor Activities](#)
- [End of Activity](#)



Chemicals



- Do not touch, taste, or smell chemicals.
- Never hold your face over an open container.
- Read labels twice to make sure you are using the proper chemicals.
- Never remove chemicals or other materials from the laboratory or classroom.
- Acid spills should be neutralized with a base, and base spills should be neutralized with an acid.
- **POUR** chemical into water NOT water into chemical

Heating



- Never heat anything unless instructed to do so
- Never place combustible materials near a heat source.
- Never reach over an exposed flame or a heating element.
- Always turn off any heat source when not in use.
- Do not point the open end of a test-tube toward yourself or anyone else.
- Never look into the open end of any container being heated.
- Always allow ample time for the heated object to cool.



Glassware



- Never handle broken glass.
- Examine glassware before each use.
- Handle hot glassware with tongs, clamps or designated insulating materials.
- Do not immerse hot glassware with cold water or cold glassware in hot water.
- If you break something, be sure to tell me ASAP so that we can pick up all the broken glass so no one gets hurt
- All broken glass goes into a special box NOT the trash



Outdoor Activities

- Dress appropriately and protect your skin.
- Avoid contact with anything unless instructed by Mrs G
- Do not look directly at the sun.
- Bring your water with you!

End of Activity



- You must clean your work area.
- Mrs G loves you, BUT she is **NOT** the momma!
Clean up your work area!
- Disposed of waste materials as instructed
- Wash your hands after each activity.
- Dry/clean up the sink area



Quiz

Click on the best choice.

1. To prevent accidents during lab, you should-
 - A. Use short cuts
 - B. Follow your teacher's direction
 - C. Hurry ahead of others
 - D. Ask someone else to do the work

© credits

Home

2. Before you touch an electrical switch, plug or outlet-

- A. [Ask the custodian](#)
- B. [Your hands must be clean](#)
- C. [Your hands must be dry](#)
- D. [Ask a nurse](#)

3. Lab aprons are for-

- A. [The protection of you and your clothes](#)
- B. [Wiping your hands on](#)
- C. [Others to hang up](#)
- D. [When you are wearing your best clothes](#)

Home

Quiz

4. Spilled acids can be neutralized with-

- A. [Gasoline](#)
- B. [Alcohol](#)
- C. [Water](#)
- D. [Sodium bicarbonate solution \(base\)](#)

5. Whenever working in the lab you should wear-

- A. [Sandals](#)
- B. [Closed toed shoes](#)
- C. [Shoes that cover your entire foot](#)
- D. [no shoes](#)

Home

Wrong! Try Again




Quiz

Wrong! Try Again



Qui

Wrong! Try Again



Quiz



Right!



Qui



Right!



Qui



Right!



Quiz