

Lab Safety: Everyone Is Responsible!

Safety In the Science Lab

Rules and Symbols

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

Mrs Gillum Science Room A306

Special thanks to:

Mrs. Bright at Blue Ridge Middle School



STANDARD BEHAVIOR

- Use appropriate safety procedures when conducting investigations.

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 First

- Science is a hands-on laboratory class.
- You will be doing many laboratory activities, which require the use of hazardous chemicals and expensive lab equipment.
- Safety in the science classroom is the **#1** priority.
- To ensure a safe science classroom, a list of rules have been developed and provided to you in your student safety little book.
- These rules must be followed at all times.
- There is also a safety contract on the last page which YOU and YOUR PARENT must sign. The signed lab safety contract is required to participate in labs.

+ General Safety Guidelines

THE MOST IMPORTANT RULES:

THINK before you ACT!!! Be Responsible at ALL Times.

NO horseplay, practical jokes, pranks, etc.

ALWAYS follow Mrs Gillum's directions, written & verbal!!



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General Safety Guidelines

- Always wear appropriate safety equipment required by the lab activity. Ladies PLEASE bring in a t-shirt that will stay here at school to be worn in all labs.
- Be careful with sharp object & glass. Only the teacher should clean up broken glass.
- Food, drink, & gum are NOT allowed in the science classroom. Do NOT put anything in mouth unless instructed by teacher.
- Keep hands away from eyes until they are washed. This is also helpful to keep you healthy during flu season!

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+ General Safety Guidelines

- Keep workplace neat, clean up when done.
- Tell the teacher about accidents or spills, or any unsafe condition **IMMEDIATELY !!**
- Use caution when working with heat sources, heated objects, & electricity.
- Wash hands after every activity.

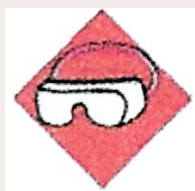


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Safety Symbols



Eye Protection



- Wear safety goggles when working with chemicals, flames, or heating devices.
- If a chemical gets in your eye, flush in water for 15 minutes and notify the teacher.

Sharp Objects



- When using knives or other sharp objects always walk with the points facing down.
- Cut away from fingers and body.

Electrical Safety



- Do not place a cord where someone can trip over it.
- Never use electricity around water.
- Unplug all equipment before leaving the room.

Safety Symbols



Heating Safety



- Tie back hair and loose clothes when working with open flames.
- Never look into a container as you are heating it.
- Heated metal and glass looks cool, use tongs or gloves before handling.
- Never leave a heat source unattended.

Safety Symbols

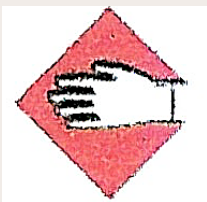


Chemical Safety



- Read all labels twice before removing a chemical from the container.
- Never touch, taste, or smell a chemical unless instructed by the teacher. Use a wafting technique when instructed.
- Transfer chemicals carefully!

Hand Safety



- If a chemical spills on your skin, notify the teacher and rinse with water for 15 minutes.
- Wear protective gloves.



Safety Equipment



- Eye Wash– Located in the corner in the front of the room by the orange door
- Fire Extinguisher – Located just inside the back room and also by the front door

To operate the fire extinguisher remember **P-A-S-S**

P- Pull the Pin

A-Aim the hose at the base of the fire from 5-6 feet away.

S-Squeeze the handle.

S-Sweep the hose back and forth across the fire.

- On Fire? **REMEMBER: Stop, Drop, & Roll**

Chemicals

Addition information you should know about working with 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 the chemical

Heating!



Addition information you should know about heating materials

- 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



Addition information you should know about working with 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

End of Activiy

- 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

What To Do In An Emergency

If there is a fire or fire alarm

- Quietly get up and push in your chair.
- Walk toward the back classroom door.
Quickly line up.

We will walk up to the basketball courts.

STAY TOGETHER!

Once there get in a straight line and sit down.

- Remain in line until the drill is over.
- Remain silent throughout the entire alarm so that all people can hear important directions.

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Safety First



- **CONSEQUENCES for VIOLATIONS**
- 1ST offense: Verbal warning, may be removed from class & given an alternate assignment.
- 2nd offense: Student copies rules and parent & student sign agreement that rules will be followed. Student may be removed from class & given an alternate assignment. Student's citizenship grade WILL BE lowered.
- 3rd offense: Administrative referral.
- NOTE: A SEVERE infraction (even a 1st offense) will immediately result in an administrative referral.

Any Questions?



REMEMBER:

- Carefully read through the entire safety contract and sign.
- Have your parents read and sign your safety contract and return it to school.
- Complete this safety packet. It is due on Monday.