

New Braunfels Christian Academy

General Laboratory Safety Rules

1. Wear safety goggles at all times in the laboratory and a laboratory apron when appropriate.
2. Closed toe shoes must be worn (no sandals). Avoid wearing overly bulky or loose fitting clothing. Pull back long hair, it may get caught in laboratory equipment or may catch on fire when working with open flames.
3. No eating, drinking, or chewing gum in the laboratory. No tasting of chemicals.
4. Know the location of safety equipment such as eyewash fountains, fire extinguishes, fire blankets, and emergency showers. Make sure that you know how to use this equipment...it just might save your live.
5. Wash your hands with soap and water at the end of each laboratory investigation. Also, wash your hands any time that you spill chemicals on them. Using an anti-bacterial hand lotion is NOT acceptable, the idea is to remove the chemicals from your hands.
6. Read all of the instructions for the investigation before you begin.
7. Report all accidents or strange occurrences to your teacher immediately.
8. Never work alone.
9. Keep your work area clean and free of all material except your laboratory notebook and the equipment needed for the investigation. Leave you backpacks and books at your desk.
10. Use the equipment only in the manner that is discussed in the laboratory investigation and **NEVER WORK ON UNAUTHORIZED EXPERIMENTS.**
11. Read the labels on all chemical bottles carefully before using.
12. Never used cracked or chipped glassware. Also, never use any electrical equipment that has bare wires. Report any unsafe or non-working equipment to your teacher immediately.
13. **NO HORSEPLAY IN THE LAB.**
14. **WHEN IN DOUBT...ASK YOUR TEACHER.**

Chemistry Safety Rules

15. Use a hot plate instead of an open flame whenever a flammable liquid is present in the room, even if you are not using it.
16. Do *NOT* return unused chemicals to a reagent bottle.
17. Never put a pipet or scoopula into a reagent bottle. Use a small clean beaker as your supply container.
18. When diluting an acid, **ALWAYS POUR THE ACID INTO WATER.**
19. Always use a lubricating agent when putting glassware into rubber stoppers. Do not force glassware into rubber stoppers.
20. You may wear contact lenses, be aware that chemicals may infuse under the lenses and cause eye damage. If you wear contact lenses, safety goggles are a must in the lab.
21. Never pipet by mouth, always use a pipet bulb or pump.
22. If spills occur, ask your teacher immediately about the proper clean-up procedure. Never put material in the trash or in the sink without checking with your teacher.

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Science Safety Agreement

Agreement must be signed and returned before student may participate in lab exercises.

The teacher will remove students from the science laboratory area if:

- they are behaving in such a manner that they can cause injury to themselves or to other students (i.e. horseplay, yelling, etc.).
- they are not following the prescribed safety rules for the science activity or laboratory investigation.
- they are performing unauthorized investigations.
- they have not completed the pre-laboratory activity.
- their personal appearance or dress is such that they can cause injury to themselves or to other students.
- they are not wearing safety goggles or an apron when the teacher thinks that it is appropriate for their protection.

I, _____ have read and reviewed the list of rules given me by my teacher relating to the procedures and safety in the laboratory. I agree to behave in a manner that promotes a safe laboratory environment for my classmates and myself. I agree to use chemicals and clean them up in a way that protects my classmates, the environment, and myself. I further agree to follow all other written and verbal instructions given in class.

(student's signature)

(date)

(parent signature)

(date)