



# HDSB Secondary Science Student Safety Contract



You are responsible for your safety and the safety of those around you. Failure to act in a safe and responsible manner will result in the removal of all science lab privileges. If you are uncertain about anything you are doing in the lab, ask for assistance from your teacher.

## ★General Safety Precautions

1. Never participate in any form of horseplay in the laboratory. Be aware of others in the lab.
2. No student should be in the lab or preparation room unsupervised.
3. Be prepared for your lab. Read your procedure for any safety precautions.
4. Do not eat or drink or chew gum in the lab.
5. Do not taste any chemical or material in the lab.
6. Do not smell chemicals unless instructed to do so. Use wafting technique.
7. Do not sit on lab benches.
8. Stand while doing labs.
9. Keep work area clean and free from clutter when performing experiments.
10. Do not conduct unauthorized experiments.
11. Butane lighters, matches and other flammable materials must not be brought to class.
12. Do not bring chemicals from home or other sources such as your parents' place of work.  
For example: fertilizer for plants you are growing.
13. Keep water and wet hands away from electrical cords, plugs and sockets.
14. Do NOT insert any materials into electrical outlets.
15. Do NOT have flammable materials near electrical sources.
16. Always pull electric cords from sockets by the plug and not the cord.
17. Make sure electrical cords are not placed where someone could trip over them.
18. Inspect batteries to ensure that they are not cracked or leaking, since their contents can be corrosive and poisonous. Do NOT cut open batteries.

## ★Safety Equipment

1. Know the location of all safety equipment in the lab: fire extinguishers, eye wash station, first aid kit, fire exits and fire alarms.
2. Safety goggles must be worn for all experiments. Contact lenses should not be worn: use prescription glasses with goggles instead.
3. Dress properly during a lab activity. Long hair must be tied back, and dangling jewelry and baggy clothing must be secured. Shoes must completely cover the foot. No sandals are allowed on lab days.
4. Your teacher may require additional safety equipment, which must be worn.

## ★Accidents And Injuries

1. Report all accidents and injuries to the teacher at once, no matter how minor.
2. If chemicals are spilled on skin rinse well with running water for as long as directed by your teacher.
3. For chemicals splashed in the eye, rinse immediately at the eyewash station for at least 30 minutes. Hold eyelids open.
4. If a chemical is spilled, immediately inform teacher and follow directions for safe clean up.
5. If a fire starts, inform a staff member immediately. Remember, if you are on fire, STOP, DROP & ROLL.

## **★When A Lab Activity Is Done:**

1. Clean all glassware and materials and put everything away according to instruction.
2. Return all equipment to the correct location.
3. Wipe lab benches.
4. Return safety goggles and other personal protective equipment to designated storage.
5. Wash hands with soap and water.

## **Handling of Chemicals**

1. All chemicals in the laboratory are to be handled with caution. Do not allow chemicals to come into contact with skin or eyes.
2. Check the label on all chemical bottles twice before removing any of the contents. Take only as much as you need.
3. Never return unused chemicals to their original bottles. Dispose of chemicals as instructed by the teacher.
4. No chemicals go down the drain. Dispose of chemicals as instructed by the teacher. Never remove chemicals or other materials from the lab.
5. Look for WHMIS or HHPS symbols on containers.

## **Handling Glassware**

1. Do not use cracked or chipped glassware.
2. Broken glass must be reported to the teacher who will give instructions for clean-up and safe disposal. There is a designated glass disposal container.
3. Do not tightly stopper a flask or test tube where gas is being created. It could explode.
4. Clean and return all glassware at the end of the lab.

## **Heating Glassware**

1. Light a Bunsen burner as instructed by the teacher. Never leave a heat source unattended.
2. Hot glass does not look hot. Handle recently heated glassware with tongs.
3. Do not immerse hot glassware in cold water. The glassware will shatter.
4. When heating a test tube, always point the test tube away from yourself and others at a 45° angle.
5. Never look into a heated container.

## **Working with Electrical Equipment**

1. When building or using an electrical circuit or device make sure to: a) include a switch to control the power source, b) include a load so that a short-circuit is not created, c) never leave circuits (open or closed) and equipment unattended, and d) have your teacher check the circuit before it is switched on.
2. When using power supplies and multimeters, make sure to use settings and cables designated for use by your teacher.



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### Student Safety Declaration

1. I have read the laboratory safety rules my teacher shared with me.
2. I will keep a copy of the safety rules in my notes so I can refer to them throughout the semester.
3. I will agree to abide by the safety rules for my own safety and the safety of my peers.
4. I understand that failure to observe the laboratory safety rules may result in my laboratory privileges being cancelled.

Student Name (please print): \_\_\_\_\_

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

Dear Parents/ Guardians.

The attached rules are intended to ensure that your son or daughter are able to participate in science labs in a safe and enjoyable manner. Please review these rules with your child. **They can also be found online at [warneracton@weebly.com](mailto:warneracton@weebly.com)**

**Failure to abide by these rules , including wearing inappropriate attire, may result in your child being unable to participate in lab activities.**

Parent Name (please print): \_\_\_\_\_

Parent Signature \_\_\_\_\_ Date \_\_\_\_\_