

# Halton Science Safety Contract (2014/2015)

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.

## 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 sit on lab benches.
5. Students must stand while doing labs.
6. Keep work area clean and free from clutter when performing experiments.
7. No unauthorized experiments.
8. Butane lighters, matches and other flammable materials must not be brought to class.
9. Do not eat or drink or chew gum in the lab. Your food may pick up harmful chemicals.
10. Never taste any chemicals or materials in the lab.
11. Do not smell chemicals unless instructed to do so. Use the wafting technique.

## 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. Goggles must always be worn when heat or corrosive chemicals are used.
4. Dress properly during a lab activity. Long hair must be tied back, and dangling jewellery and baggy clothing must be secured. Shoes must completely cover the foot. No sandals are allowed on lab days.
5. Your teacher may require additional safety equipment, which must be worn.

## Handling of Chemicals

1. All chemicals in the laboratory are to be considered dangerous. 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 your teacher.
4. No chemicals go down the drain. Dispose of chemicals as instructed by teacher.
5. Never remove chemicals or other materials from the laboratory area.
6. 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 where gas is being created. It could explode.
4. Clean drips off the sides of beakers and flasks for the safety of the next student.
5. Clean and return all glassware at the end of the lab.

## Heating Glassware

1. Light a Bunsen burner as instructed by your 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 may shatter.
4. When heating a test tube, always point the test tube away from yourself and others. Never look into a container that is being heated.

## Handling Electrical Equipment

1. Keep water and wet hands away from electrical cords, plugs and sockets.
2. Do NOT insert any materials into electrical outlets.

3. Do NOT have flammable materials near electrical sources.
4. Always pull electric cords from sockets by the plug and not the cord.
5. Make sure electrical cords are not placed where someone could trip over them.
6. Do not cut open batteries since their contents can be corrosive and poisonous.

### **Working with Projectiles**

1. Direct projectile away from observers and light fixtures into an obstacle-free landing zone.
2. Make spectators aware of potential hazards whenever a projectile is being launched.
3. Do not launch from upstairs windows or stairwells unless the area below can be controlled by another person and is clear of obstructions.
4. Wear eye protection whenever there are risks of injuries to the eye.

### **Working with Lasers**

1. Do NOT look into a laser beam.
2. Do NOT point a laser beam into someone's eye
3. Do NOT look directly into a lens at a light source

### **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 teacher.
3. For chemicals splashed in the eye, rinse immediately at the eye wash 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 The Lab Is Done.**

1. Clean all glassware and materials and put everything away according to instructions.
2. Wipe lab benches
3. Dispose of chemicals and materials only as instructed by your teacher. Sinks should be clean and NOT contain any solid material.
4. Disinfect safety goggles and return to designated storage.
5. Wash hands with soap and water .

\*\*\* If you are not sure about something, ASK YOUR TEACHER!!\*\*\*

## **Student Safety Declaration**

1. I have read the laboratory safety rules.
2. I will agree to abide by the safety rules for my own safety and the safety of my peers.
3. I understand that failure to observe the laboratory safety rules may result in my laboratory privileges being cancelled.

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

**Dear Parents/ Guardians.**

**The above rules are Halton District School Board Policy 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 son or daughter. Failure to abide by these rules , including wearing inappropriate attire, may result in your child being unable to participate in lab activities. These Lab rules can be found on the**

\_\_\_\_\_ .

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