**What are the Safety Do’s and Don’ts for Students?**

Life threatening injuries can happen in the laboratory. For that reason, students need to be informed of the correct way to act and things to do in the laboratory. The following is a safety checklist that can be used as a handout to students to acquaint them with the safety do’s and don’ts in the laboratory.

**Conduct**

* Do not engage in practical jokes or boisterous conduct in the laboratory.
* Never run in the laboratory.
* The use of personal audio or video equipment is prohibited in the laboratory.
* The performance of unauthorized experiments is strictly forbidden.
* Do not sit on laboratory benches.

**General Work Procedure**

* Know emergency procedures.
* Never work in the laboratory without the supervision of a teacher.
* Always perform the experiments or work precisely as directed by the teacher.
* Immediately report any spills, accidents, or injuries to a teacher.
* Never leave experiments while in progress.
* Never attempt to catch a falling object.
* Be careful when handling hot glassware and apparatus in the laboratory. Hot glassware looks just like cold glassware.
* Never point the open end of a test tube containing a substance at yourself or others.
* Never fill a pipette using mouth suction. Always use a pipetting device.
* Make sure no flammable solvents are in the surrounding area when light­ing a flame.
* Do not leave lit Bunsen burners unattended.
* Turn off all heating apparatus, gas valves, and water faucets when not in use.
* Do not remove any equipment or chemicals from the laboratory.
* Coats, bags, and other personal items must be stored in designated areas, not on the bench tops or in the aisle ways.
* Notify your teacher of any sensitivities that you may have to particular chemicals if known.
* Keep the floor clear of all objects (e.g., ice, small objects, spilled liquids).

**Housekeeping**

* Keep work area neat and free of any unnecessary objects.
* Thoroughly clean your laboratory work space at the end of the laboratory session.
* Do not block the sink drains with debris.
* Never block access to exits or emergency equipment.
* Inspect all equipment for damage (cracks, defects, etc.) prior to use; do not use damaged equipment.
* Never pour chemical waste into the sink drains or wastebaskets.
* Place chemical waste in appropriately labeled waste containers.
* Properly dispose of broken glassware and other sharp objects (e.g., syringe needles) immediately in designated containers.
* Properly dispose of weigh boats, gloves, filter paper, and paper towels in the laboratory.

**Apparel in the Laboratory**

* Always wear appropriate eye protection (i.e., chemical splash goggles) in the laboratory.
* Wear disposable gloves, as provided in the laboratory, when handling haz­ardous materials. Remove the gloves before exiting the laboratory.
* Wear a full-length, long-sleeved laboratory coat or chemical-resistant apron.
* Wear shoes that adequately cover the whole foot; low-heeled shoes with non-slip soles are preferable. Do not wear sandals, open-toed shoes, open-backed shoes, or high-heeled shoes in the laboratory.
* Avoid wearing shirts exposing the torso, shorts, or short skirts; long pants that completely cover the legs are preferable.
* Secure long hair and loose clothing (especially loose long sleeves, neck ties, or scarves).
* Remove jewelry (especially dangling jewelry).
* Synthetic finger nails are not recommended in the laboratory; they are made of extremely flammable polymers which can burn to completion and are not easily extinguished.

**Hygiene Practices**

* Keep your hands away from your face, eyes, mouth, and body while using chemicals.
* **Food and drink, open or closed, should never be brought into the labora­tory or chemical storage area.**
* Never use laboratory glassware for eating or drinking purposes.
* Do not apply cosmetics while in the laboratory or storage area.
* Wash hands after removing gloves, and before leaving the laboratory.
* Remove any protective equipment (i.e., gloves, lab coat or apron, chemical splash goggles) before leaving the laboratory.

**Emergency Procedure**

* Know the location of all the exits in the laboratory and building.
* Know the location of the emergency phone.
* Know the location of and know how to operate the following:
  + Fire extinguishers
  + Alarm systems with pull stations
  + Fire blankets
  + Eye washes
  + First-aid kits
  + Deluge safety showers
* In case of an emergency or accident, follow the established emergency plan as explained by the teacher and evacuate the building via the nearest exit.

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