

Name: \_\_\_\_\_

Date: \_\_\_\_\_

GRCI SCIENCE

## SAFETY in the LABORATORY

All science courses at GRCI contain varying amounts of lab work. This lab work increases the student interest and provides the practical skills that will be useful in later studies. Students who choose to be unsafe in the laboratory will be counseled individually. If, after counseling, there is no improvement, the student chooses by their actions to be withdrawn from lab activities. The list below outlines the steps necessary to ensure that activities are carried out in a safe manner.

1. I will use all equipment and materials according to the teacher's instructions.
2. I will conduct myself in a responsible manner at all times in the laboratory.
3. I will keep my lab bench and surrounding aisles clear of clutter.
4. I will always wear safety glasses when using chemicals and only remove them when everyone in the class has finished putting their experiment away. I will inform the teacher if I wear contact lenses.
5. Before doing a laboratory investigation I will clear my working area of any food or drink. I will never taste chemicals in the laboratory.
6. All chemicals in the laboratory are considered dangerous. I will only use the metal scoops for obtaining dry chemicals. I will use the glass stirring rods for mixing solutions.
7. I will smell substances cautiously by waving the vapours towards me (wafting technique).
8. If I have long hair, I will tie it back. I will ensure that dangling jewelry, and loose baggy clothing are tucked in. I will protect my feet by wearing shoes that completely cover them (Eg. running shoes). I will choose to wear my sandals on other days.
9. When removing an electrical plug from its socket, I will grasp the plug and not the electrical cord. My hands will be completely dry before touching an electrical switch, plug, or outlet.
10. I will always point the test tube away from myself or anyone else when heating any substance or using dangerous chemicals.
11. I will learn the locations and operating procedures of all safety equipment including the first aid kit, eyewash station, fire extinguisher, and fire blanket. I will know where the fire alarm and the exits are located.
12. I will notify the teacher immediately of any unsafe conditions I observe.
13. I will report any accident to the teacher immediately, no matter how trivial it may appear.
14. I will dispose of all waste materials and chemicals only in the manner outlined by my teacher. If in doubt, I will ASK!
15. Acids must be handled with extreme care. Always add acids to water.
16. In case of spilled acid or base:
  - a) On your desk or floor – flood it with water and call your teacher
  - b) On your skin – flood with water and send someone to tell the teacher
17. I will only use water taps and gas jets when instructed by the teacher. This avoids damage and any leakage.
18. After completion of the lab, I will return all materials to the proper place, clean and dry the work area and always wash my hands with soap and water before leaving the classroom.
19. To encourage careful work habits, a charge will be made for broken equipment if, in the opinion of the teacher, such breakage could have been avoided. The charge will be the cost of repairing or replacing the damaged equipment.
20. For a more comprehensive list of safety rules, refer to the Safety Section in the Appendix of your textbook.

I \_\_\_\_\_ have read and understand the steps required to work safely  
(first and last name printed) in the Science Lab, and agree to abide by them. I understand that not doing so forfeits my right to participate in such lab activities and may have an effect on my science mark as a result.

Student Signature: \_\_\_\_\_