

Laboratory Safety Contract

PURPOSE

Science is a hands-on laboratory class. You will be doing laboratories which may require the use of hazardous chemicals. Safety is the number one issue in science class. Therefore students must be knowledgeable in safety precautions. This contract must be signed by the student and parent or guardian in order for participation in laboratory.

GENERAL RULES

1. Follow the written procedure carefully. If you do not understand ask the instructor for clarification.
2. Never work alone in a lab. An instructor must be present at all times.
3. When you enter a science classroom do not touch any of the materials until the instructor gives the okay.
4. No food, beverages, or gum in class at any time.
5. Conduct the experiment provided in the procedure. Do not create your own laboratory experiment. Unauthorized experiments are illegal in lab.
6. Be prepared for lab days by reading procedures before entering class.
7. Keep your lab station clean. Once you have completed your lab please leave the laboratory area cleaner than you found it.
8. Keep the aisles clear in the laboratory area.
9. Know where and how to use the fire extinguisher, eye wash and fire blankets. Know where the first aid kit and phone is in case of emergencies.
10. Be alert and notify the instructor immediately if there are any unsafe conditions.
11. Read the labels of chemicals carefully before use.
12. Keep your hands away from your eyes, nose and mouth when using chemicals. Make sure to wash your hands after the lab is completed.

13. Know what to do if there is a fire drill during the laboratory. Turn off gas and electrical equipment.

14. When using sharp instrumentation, carry the tips pointed down and away from others. Do not attempt to catch a sharp falling object.

15. Students are never permitted in the science store room or preparation room unless instructed to do so by the instructor.

16. Do not leave experiments unattended at any time.

CLOTHING

17. Goggles must be worn at all times during laboratory. NO EXCEPTIONS.

18. Dress properly for laboratory. Long hair must be put up, no dangling jewelry, no baggy clothes. No open toed shoes.

19. Contact lens should not be worn during laboratory at anytime.

ACCIDENTS AND INJURIES

20. Report any spills immediately to the instructor no matter how trivial it may seem.

21. If a chemical should splash into your eyes or on your skin, make sure to rinse thoroughly with water at least 20 minutes. Notify the instructor immediately.

HANDLING CHEMICALS

22. All chemicals should be considered dangerous and used with extreme caution. Do not touch taste or smell any chemicals in laboratory.

23. Never return used chemicals into their original containers.

24. Handle flammable liquids with extreme care. Do not dispose of them near a flame or potential spark.

25. Acids must be handled with extreme care. Always add acid to water, swirl or stir solution and be careful of the heat produced, particularly with sulfuric acid.

26. Take great care when

transferring acids and other chemicals from one part of the laboratory to another. Hold them securely and walk carefully.

HANDLING GLASSWARE AND EQUIPMENT

27. Do not remove chemicals from the laboratory area.

28. Carry all glass tubing vertically, to minimize the chance of breaking it.

30. Fill water bottles with distilled water only.

29. When removing an electrical plug from a socket, make sure to grasp the plug and not the cord.

30. Inspect all glassware before using in laboratory. Look for chipped or cracked glassware. If you find glassware broken, do not use it, and notify the instructor.

31. If you do not understand how to use a piece of laboratory equipment, ask the instructor for help.

32. Do not put hot glassware on a cold surface because the glass may shatter.

HEATING SUBSTANCES

33. Take extreme caution when using a gas burner. Make sure hair, jewelry, clothing, and hands are a safe distance from the flame.

34. Do not point the open end of a test tube at another person when heating.

35. Never look into a container that is being heated.

36. Never leave a lit burner unattended. Never leave anything that is being heated or is visibly reacting unattended. Always turn the burner or hot plate off when not in use.

I, _____, understand all of the statements made in the Laboratory Contract and will honor them throughout my time in this class. If I violate a rule listed in the Laboratory Contract there will be consequences for my actions.

Student Signature _____

Date _____

Parent Signature _____

Date _____