

OREGON CITY HIGH SCHOOL

LABORATORY SAFETY CONTRACT - AP PHYSICS 2

General Safety Rules

1. Behave responsibly, and use equipment appropriately.
 - a. All laboratory procedures must be approved by your instructor.
 - b. If you aren't sure, ask....
2. Be alert and attentive.
3. Dress appropriately.
 - a. Wear safety glasses if working with heat, chemicals, or if otherwise instructed to do so.
 - b. Roll up loose sleeves or long hair that may become tangled in an experiment.
4. Food and drinks are only allowed if they are part of the experiment. Do not eat or drink in the lab, and never from lab equipment.
5. Report all accidents or unusual occurrences to your teacher immediately.
6. Know what to do in case of an emergency.
 - a. Unplug electronics
 - b. Close all reagent bottles
 - c. Turn off hot plates and/or extinguish any flames.
7. Know where to **leave the classroom** in case of an emergency (fire exit route). Look around the room or ask your teacher and list the location of the emergency exits for your science classroom:
8. Know the location of **emergency equipment** (eyewash, shower, fire extinguisher, fire blanket, & fire alarm). Look around the room or ask your teacher and list the location of the nearest emergency equipment for your science classroom:

Eyewash: _____

Fire Extinguisher: _____

Fire Blanket: _____

9. Do not remove any chemicals, lab equipment, supplies, or specimen from the classroom. Handle all lab materials carefully so they remain in good condition. Never return chemicals to a stock bottle.
10. Keep lab areas clean, dry, and free of clutter – close cabinet doors when not in use, clean up spills (after notifying teacher), clean up after lab as instructed. Put tops back on bottles/containers when done to avoid spills. **Keep aisles clear of bags and books.**
11. Do not leave a laboratory experiment unattended (especially those involving heating or chemical reactions). For example, when using a Bunsen burner or heating something, all members of the group should remain with the experiment even if the bell rings signifying a break.
12. Return all equipment, clean and in good condition, to the designated location at the end of the lab period.
13. Leave your lab area cleaner than you found it.

Personal Safety Rules

14. **Medical Problems:** In advance of the lab, inform your teacher about any medical problems that may affect your safety during lab (including allergies, asthma, epilepsy, & heart conditions).
15. **Attire:** Wear clothing that will not get in the way during lab (sleeves rolled up, remove dangling jewelry). Do not wear open toe shoes when handling chemicals or heating fluids. **Shoes need to completely cover feet. Bring a change of shoes for lab if necessary.** Tie long hair back.
16. **Hand Washing:** Wash your hands with soap and water after performing experiments.

Lab Safety Procedures

17. **Safety Goggles:** Wear protective goggles during any activity involving flames, heating substances, use of hazardous chemicals and whenever else your teacher advises it. Goggles should be worn even if you wear glasses and they should be kept on during the entire activity as advised by your teacher.
16. **Safety Clothing:** Wear protective clothing including gloves and/or lab aprons as advised by your teacher.
17. **Heat/Fire Safety:** Tie hair back, roll up sleeves and remove jewelry & clothing that may get in the way. Keep flammable substances away from any hot plate or burner. When heating a test tube, point the open end away from you and others. Do not heat material in a stoppered tube. Use tongs to handle hot glassware. Do not look into the top of a tube being heated. If you get burned, report the incident to the teacher.
18. **Corrosive/Poisonous Substances:** Avoid letting any corrosive or poisonous
19. substances touch your skin, eyes, or clothing. Wear protective clothing and goggles. Do not inhale vapors. Never smell or taste chemicals or other lab materials. If a corrosive spills on you, immediately rinse skin under cool running water for 20 minutes and report the incident to the teacher.
20. **Glass Heating & Breakage:** Handle breakable equipment (like glassware) carefully. Do not use cracked or damaged glassware. Do not heat empty glassware. Never leave glassware unattended while heating. Place hot glassware on an insulated surface. Report any broken glass to your teacher and throw away broken glass in a special container identified by your teacher. If you get cut, press gauze or paper towel to the injury until bleeding stops then clean with soapy water and apply a dressing. Report injuries to the teacher immediately.
21. **Dangerous Vapors:** Never directly inhale any lab vapors or lab chemicals. If you begin to feel weak, get dizzy, or get a headache, report it to the teacher and move away from the source.
22. **Hazardous Waste Disposal:** Dispose of hazardous materials as advised by your teacher.
23. **Electrical Shock:** Disconnect all electrical equipment when not in use. Do not use equipment with frayed cords. Do not put anything (other than a plug) into an electrical outlet. Do not attempt to move desks that have electrical wiring. Do not put your feet on the electrical wiring or boxes located under some student desks. Never use electrical equipment near water or other liquid unless advised by teacher to do so.
 - a. Ask the instructor to check all electrical circuits before you turn on the power.
 - b. When working with electrical circuits, be sure that the current is turned off before making adjustments in the circuit.
 - c. Do not connect the terminals of a battery or power supply to each other with a wire. Such a wire will become dangerously hot.

Oregon City High School Safety Contract for AP Physics 2

I, _____, read and understand the lab safety rules contained in the document "OREGON CITY HIGH SCHOOL LABORATORY SAFETY CONTRACT" and I agree to follow them at all times. Not following these rules will result in a disciplinary procedure. I understand that these rules are meant to:

1. Create the best possible environment for learning
2. Provide for the safety of all students and staff
3. Prevent the destruction of costly laboratory equipment and supplies..

Student Signature _____ Date _____