

RAMAPO INDIAN HILLS REGIONAL HIGH SCHOOL DISTRICT

SCIENCE DEPARTMENT LABORATORY SAFETY REGULATIONS/STUDENT SAFETY CONTRACT

All science classes involve hands-on laboratory activities. You will be doing many laboratory activities that require the use of hazardous chemicals and/or other potentially dangerous materials. Safety in the Ramapo- Indian Hills Regional High School District science classroom is the #1 priority for students, teachers, and parents. To ensure a safe science classroom, a list of laboratory safety regulations has been developed and provided to you in this student safety contract. These rules must be followed at all times. Two copies of the contract are provided. Both you and a parent or guardian must sign one copy before you can participate in laboratory investigations. The second copy is to be kept in your science notebook as a constant reminder of the laboratory safety regulations.

Laboratory Safety Regulations

1. Wear approved eye protection (safety goggles) whenever involved in laboratory activities involving a potential injury to the eye. This may include, but is not limited to, heating of glass apparatus, use of chemicals, swinging apparatus or projectiles. Eyeglasses do not provide an equivalent level of protection from potential eye injury and should never be used as a substitute for approved eye protection.
2. Students who wear contact lenses are recommended to bring in prescription eyeglasses. As a minimum, safety goggles must be worn over the contact lenses when performing the activities listed under item 1 above, or the student must refrain from such activities. The science teacher should be informed of any students wearing contact lenses.
3. Always follow any safety procedures outlined in the laboratory procedure and/or on the Safety Data Sheet provided with every chemical.
4. Notify the teacher immediately if there is any chemical spill. Never clean up any spill on your own. Teachers will follow the Ramapo Indian Hills Chemical Hygiene Plan when dealing with any spill.
5. Keep combustible materials away from an open flame.
6. Know the location of the following safety equipment available in the laboratory: eye wash, safety shower, fire blanket, fire extinguisher, first aid kit, emergency electrical and gas shutoffs.
7. In the event of a fire, your teacher should provide instructions on emergency procedures. Never try to extinguish a fire without proper instruction from your teacher.
8. In the event of electrocution, never attempt to remove the person from the electrical device. Always proceed to the emergency electrical shutoff and shutoff the electrical power at the source before attempting to help a victim of electrocution. Never touch an electrical source with wet hands. Water acts as a conductor of electricity.

9. Confine or securely tie hair that is shoulder length or longer when using equipment with movable parts or an open flame. Hair can get caught in movable equipment and hair is also extremely flammable. Be cautious of loose fitting clothing as well.
10. Do only the assigned experiments and in the manner prescribed by your teacher.
11. Never remove materials from the laboratory.
12. Always clean up after completion of the laboratory and return equipment to its proper location.
13. Do not turn on gas jets or water faucets unless you are directed to do so.
14. Shut off all gas jets, water faucets, and electrical connections before leaving the laboratory.
15. Do not put any object (plastic, or metal) in any electrical outlet. Report any frayed wires on any appliance or electrical apparatus to your teacher.
16. Do not drink or eat in the laboratory. Laboratory surfaces may have contained hazardous materials that can contaminate food or drink, resulting in sickness.
17. Laboratory chemicals or equipment should only be used in the manner prescribed by your teacher. Consider all chemicals to be dangerous unless they are known to be otherwise. Do not ingest or breathe in any chemicals.
18. Always wear chemical resistant clothing (apron, gloves) when handling corrosive materials. If a corrosive material is spilled anywhere on your body or clothes, rinse the exposed area with plenty of running water.
19. Notify your teacher of any accident or injury that occurred in the laboratory, regardless of how minor. First aid should only be administered with your teacher's knowledge.
20. Do not discard any materials in the sinks unless you are directed to do so.
21. Never leave an open flame unattended.
22. Wash your hands after handling any chemicals.
23. Never point the end of a test tube being heated towards you or another student.
24. Do not wear open-toed shoes. Heavy materials dropped on a bare foot may cause severe damage.
25. Always add acid to water, not water to acid. This will prevent release of significant gas vapors.
26. Never rush in the laboratory. Running in the laboratory is extremely dangerous.
27. Do not enter science storerooms without specific permission of your teacher.
28. At the beginning of all investigations, store book bags in a manner that will prevent them from acting as a tripping hazard.
29. If you are unsure of any laboratory procedure, ask your teacher.
30. Never engage in horseplay or practical jokes.

Student Safety Contract

I, _____, (student's name) have read and agree to follow all of the laboratory safety regulations set forth in this contract. I realize that I must obey these rules to ensure my own safety, and that of my fellow students and teachers. I will cooperate to the fullest extent with my teacher and fellow students to maintain a safe lab environment. I will also closely follow the oral and written instructions provided by my

teacher. I am aware that any violation of this safety contract may result in disciplinary action, removal from the laboratory, a failing grade, and/or dismissal from the course.

Date:

Student's Signature:

Dear Parent or Guardian: We feel that you should be informed regarding the school's effort to create and maintain a safe science classroom/laboratory environment. With the cooperation of the teachers, parents, and students, a safety instruction program can eliminate, prevent, and correct possible hazards. You should be aware of the safety instructions your son/daughter will receive before engaging in any laboratory work. Please read the list of laboratory safety regulations above. No student will be permitted to perform laboratory activities unless this contract is signed by both the student and parent/guardian and is on file with the teacher. Any violation of this safety contract may result in disciplinary action, removal from the laboratory, a failing grade, and/or dismissal from the course. Your signature on this contract indicates that you have read the laboratory safety regulations, are aware of the measures taken to ensure the safety of your son/daughter in the science laboratory, and will instruct your son/daughter to uphold his/her agreement to follow these rules and procedures in the laboratory.

Date:

Parent/Guardian's Signature:

Laboratory Safety Regulations and Student Safety Contract adopted, in part, from http://www.flinnsci.com/Documents/miscPDFs/Safety_Contract.pdf

RDP/AM Revised 08/19/14