

Wm. S. Hart District Science Safety Contract

Purpose

Science is a hands-on laboratory class. You will be doing many laboratory activities that require the use of hazardous chemicals, flames, and lab equipment. Safety in the classroom is the # 1 priority for students, teachers, and parents. To ensure a safe science class, a list of rules has been provided to you in this student safety contract. These rules must be followed at all times. A contract agreement is provided and must be signed by both you and a parent or guardian. The safety rules are to be kept in your science notebook as a constant reminder of the safety rules. A safety test will be given to check for understanding of these rules and a grade of 100% must be achieved before participation in a lab can occur.

1. Always conduct yourself in a responsible manner. Enter quietly and maturely. Never run in the lab.
2. Follow all written and verbal directions carefully. Read all directions BEFORE beginning the procedures.
3. Never work in the lab without a teacher.
4. Do not touch any equipment, chemicals or other materials until you have been told to do so.
5. Never do anything in the lab that is not in the lab procedure. All activities require teacher approval. Unauthorized (unapproved) experiments are prohibited (never allowed).
6. Horseplay, practical jokes, and pranks are dangerous and prohibited (never allowed). Do not wander from your lab station, distract other students, or interfere with other students. Never touch any equipment, chemicals or materials in any lab station except the station in which you are working.
7. Observe good housekeeping practices. Keep work areas clean and organized. Only lab equipment, lab materials, and student worksheets should be in the lab area. At the end of a lab, everything should be carefully cleaned and organized.
8. Keep aisles (spaces between desks) clear. Put your backpacks under your desk/table. Push your chair or lab stool under the table when not in use.
9. Know the locations and use of all safety equipment including fire extinguisher, fire blanket, eyewash station, and shower. Know where the fire alarm and the exits are located.
10. Use the fire blanket (stop, drop, and roll) to extinguish any flame on a person.
11. Notify the teacher immediately of any unsafe conditions you may observe.
12. Students are never permitted in the science storage room or lab preparation areas without teacher permission.
13. Never handle broken glass with your bare hands. Use a dustpan and brush to clean up broken glass. Place broken glass in the designated glass disposal container. Report broken glassware to the teacher immediately.
14. Report damaged electrical equipment immediately. Look for such things as frayed cords, exposed wires, and loose connections. Do not use damaged electrical equipment.
15. When removing an electrical plug, grasp the plug, not the cord. Hands must be dry before touching an electrical switch, plug or outlet.
16. Dress properly during lab activities. Long hair must be tied back. Loose or baggy clothing and dangling jewelry must be secured. Shoes must completely cover the foot. No sandals allowed.

17. Report any accident (spill or breakage, etc.) to the teacher immediately, no matter how small it may appear.
18. If you do not understand how to use the equipment, ask the teacher for help.
19. If you do not understand a direction or procedure, ask the teacher BEFORE continuing.
20. Never look directly into a laser pointer or point it at another person. Be careful when using lasers on reflective surfaces such as mirrors.
Exposure to direct or reflected laser light can cause permanent eye damage.
21. Use extreme caution when using a Bunsen burner. Keep hair, clothing, and hands at a safe distance from the flame at all times. Do not put any substance into the flame without permission. Keep things that catch on fire easily a safe distance away from the flame. Keep volatile (highly flammable) materials a safe distance. Never reach over an exposed flame. Never leave a lit burner unattended.
22. Heated metals and glass remain very hot for a long time. They should be set aside to cool and picked up with caution.
23. Hot and cold glass has the same visual appearance. Determine if an object is hot by bringing the back of your hand close to it before you grab it.
24. Use tongs or heat-protective gloves to pick up hot glass and metal.
25. Do not put hot glassware in cold water. It may shatter.
26. Any time chemicals, heat or flames are in use, students will wear safety goggles.
27. Lab aprons should be worn during lab activities requiring the use of certain chemicals to protect both you and your clothing.
28. All chemicals in the lab are to be considered dangerous.
29. Never remove chemicals or other materials from the lab area.
30. When transferring chemicals from one container to another, hold the containers away from your body.
31. If a chemical should splash in your eye(s) or on your skin, immediately flush with running water from the eyewash station, sink, or safety shower for at least 20 minutes. Notify the teacher immediately.
32. The teacher must know of students wearing contact lenses. If a chemical should splash in your eyes and you wear contacts, you should try and remove your lens after 2-3 minutes of rinsing if the lens has remained in the eye. Continue rinsing for at least 20 minutes.
33. Dispose (throw away) of all chemical waste in their proper disposal container according to teacher instructions. Sinks are to be used for water only unless instructed differently by the teacher. Read all container labels twice BEFORE mixing chemicals to ensure the correct chemical is used Use a clean scoop to take only as much chemical as you need.
34. Do not touch, taste or smell any chemicals unless specifically instructed to do so.
35. If your teacher gives you permission to smell a chemical, then it should be smelled at a distance using the wafting technique demonstrated in class.

Name: _____

Period _____

Student and Parent/Guardian:

Be sure you have read the safety rules. Both student and parent/guardian must read and sign the following contract page verifying that you both understand and agree to adhere to the William S. Hart Safety Contract. Please return this signed contract page to your science teacher and keep the rules with your science papers.

STUDENT SAFETY CONTRACT

I _____ (student's name printed), have read and agree to follow all of the safety rules set forth in this contract. I realize that I must obey these rules to insure my own safety and the safety of others. I will cooperate to the fullest extent with my teacher and other students to maintain a safe lab environment. I am aware that any violation of this safety contract that results in unsafe conduct or misbehavior on my part may result in teacher consequences and/or removal from the lab. I am also aware that I must take and pass a safety test on the knowledge and understanding of these rules before I am allowed to participate.

X _____
STUDENT SIGNATURE DATE

Do you wear contacts?

- yes
- no

Are you color blind?

- yes
- no

Are you allergic to anything?

PARENT/GUARDIAN CONTRACT

Dear Parent or Guardian:

We feel that you should be informed regarding the school's effort to create and maintain a safe science classroom environment. You should be aware of the safety instructions your son/daughter has received. Please read the list of safety rules included in this packet. Sit with your child and make sure there is clear understanding of these rules and the need for these rules. No student will be permitted to perform lab activities until both you and the student sign this contract. Please realize that passing the safety test will ensure understanding of the rules. Your signature indicates that you have read this Safety Packet, are aware of the measures taken to ensure the safety of your son/daughter in the lab and will instruct them to uphold his/her agreement to follow these rules and procedures in the lab.

X _____
PARENT / GUARDIAN SIGNATURE DATE

