

TGS Science Department Laboratory and Fab Lab Safety Contract

Purpose

Science is a hands-on laboratory class. Safety in the science classroom is essential. To ensure a safe classroom, a list of rules has been developed and is called the Science and Fab Lab Safety Contract. These rules must be followed at all times. Additional safety instructions will be given for each activity. No student will be allowed to participate in science activities until both the student and a parent or guardian has signed and returned this document.

Conduct

The Science labs and Fab Lab are not playrooms, nor are the instruments toys for you to play with. Conduct yourself with maturity, and always be mindful of safety!

- Under no circumstances can students work in the lab area **WITHOUT** a teacher present.
- Under no circumstances is it permissible to eat or drink in the lab area.
- Clean your equipment and work area before leaving the lab. Aim to leave it in better condition than when you arrived.
- All conduct in the classroom, Science lab or Fab Lab must follow guidelines set forth in the student handbook, i.e. no weapons or items that can be harmful to others may be created.

Tools and Instruments

- Teacher permission is essential **BEFORE** you start the use of any tools, equipment, machines, chemicals, materials etc.
- Know the hazards associated with your work. Be sure you are fully educated on the proper use and operation of any tool or material before beginning a job. If you are not sure if you can carry out a job safely in the classroom, Science Lab or Fab Lab, don't do it! Ask for help. If you have not worked with a specific material before, consult with a teacher.
- **Do not** remove any tools, equipment, machines, chemicals, materials, etc. from any lab or room without teacher permission. Return any and all permissibly borrowed items to their correct place when finished.

Working with Chemicals

- Always wear **safety goggles, closed toed-shoes and lab coat** when you, or others in the lab, are working with chemicals.
- Only remove **safety goggles and lab coat** when you are told to do so. Keep them on at **ALL** times during the activity!
- Do not mix any chemicals unless directed to do so in a lab procedure.
- Never taste or smell any chemicals unless directed to do so.
- Inform your teacher **immediately** if you spill any chemicals or get chemicals on your skin or in your eyes.
- Know where the eyewash station and safety shower are located in the lab.

Working with Flames and Hotplates

- Tie back long hair and secure loose clothing when working with an open flame.
- Never reach across an open flame or put anything into the flame that your lab procedure does not direct you to.
- Turn off heat sources when they are not in use.
- Know the location of the nearest fire extinguisher.

Broken Glass and equipment

- Never pick up broken glass by hand. Always sweep up glass with a broom, and dispose of the glass in the container labeled for glass disposal.
- If you notice any cracks or chips in your glassware, give the glassware to your teacher who will properly dispose of it.
- Immediately report all breakages, damage and non functioning equipment to the teacher.

TGS SCIENCE/FAB LAB SAFETY CONTRACT:

I, _____ (student's PRINTED full name) have read and agree to follow the safety rules set forth in this contract. I realize I must obey these rules to ensure my own safety and that of my fellow students and instructors. I will cooperate to the fullest extent with my instructor and fellow students to maintain a safe lab environment. I will also closely follow the oral and written instructions provided by the instructor. **I am aware that any violation of this Safety Contract that results in unsafe behavior on my part may result in being removed from the lab., detention, receiving a failing grade, and/or dismissal from the course.**

Student Signature: _____

Dear Parent or Guardian,

We feel you should be informed about the school's efforts to maintain a safe science classroom/laboratory. With everyone's cooperation, safety rules and instruction we can eliminate most possible hazards. Please read the above list of safety rules. No student will be permitted to perform laboratory activities unless this contract is signed and on file, and all rules are followed. Your signature indicates you have read this Safety Contract, are aware of the measures taken to ensure the safety of your student in the science laboratory, and will instruct your student to uphold his/her agreement to follow these rules and procedures in the laboratory.

Parent/Guardian Signature: _____