

THS Science Safety Rules



These safety rules are models for students to follow in their lab activity. We will not be dealing with any extremely dangerous chemicals or organisms, but even water can be extremely dangerous if handled in the wrong way. During the school year it is mandatory that the student follow these rules and never play around or do anything that might endanger another student during a lab exercise.

If they violate these rules that may be excluded from the lab and they could potentially fail the course.

General Rules

- Teacher will be present when any lab work is done.
- Never vary the experiment unless it is approved by teacher.
- Perform all experiments safely and review all risks associated with each experiment.
- Report any accident at once.
- Wear safety glasses or goggles at all times.
- Know where the emergency equipment is in the room.
- Review first aid procedures for spills.
- Avoid all horse play and fighting in the lab. No pushing, crowding etc...
- Be sure to clean your work area carefully and thoroughly. Never leave a spilled chemical on the counter or floor. Clean up immediately.
- Keep pathways clear. Make sure nothing would prevent ease of movement.
- Work very carefully when using either a flame or a hot plate to heat something. Watch out for long hair, clothing, fingers, arms and anything else that might burn.
- Wear any other safety clothing as needed.
- Label all containers appropriately including; content, concentration, date, any hazards, name of person who mixed.
- If you have any allergies, please report to the teacher.
- Do not wear contact lenses during labs that have chemical hazards.
- Never remove any chemicals, biological material, or apparatus from class unless directed to do so by your instructor.

Equipment and Instruments



- Clean all containers before using.
- Use proper technique when inserting glass tubing.
- Use only heat resistant glassware when heating glass objects.
- Never point the mouth of a test tube toward your face or toward your neighbor. Heat test tubes at an angle and along the length of the test tube.
- Heat volatile liquids (only if directed to do so) over a water bath and use hot plate to heat water.
- Don't reach over open flame. Turn off Bunsen burner when not in use.
- Never leave a burner or hotplate on unattended.
- Pass scissors, scalpels, dissecting needles, and other sharp-edged instruments with their handles extended when handing them to other students.
- Keep instruments in their designated places when not in use.
- Start using a microscope on the lowest power objective in place and have objective closest to slide and move away from slide.

Chemicals

- Read labels carefully before taking from containers.
- Use fume hood if necessary and keep well ventilated when necessary.
- Handle flammable substances over a containment pan in case of spills.
- Never taste or drink anything in the lab unless specifically directed by the teacher to do so.
- In case of a burn from an acid or alkali, wash the affected area immediately with plenty of cool running water. Then report to the instructor at once.



- Never add water to an acid (especially sulfuric). Instead add acid slowly to water and stir constantly with a glass stirring rod.
- When noting the odor of any liquid, do not put your face directly over the container. Rather fan a little of the vapor toward you.
- Clean containers as directed and never dispose of chemicals unless directed to do so. Never return unused portions to the container.
- Wipe up spills immediately and notify teacher immediately.
- Never heat alcohol, ether, or other volatile or flammable substance over an open flame.
- When working with chemicals that can damage eyes wear eye protection.

Plants and Animals

- Never handle animals in class unless permission is given.
- Notify instructor at once if animal bites you.



Bacteria and Fungi

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- Never open Petri dishes containing bacterial growth unless directed do so by the instructor.
- Dispose of all discarded bacterial and fungus cultures by sterilization as directed by the instructor.

Please sign and return to the science teacher

Tracy High School Science Department Safety Rules

I have read and understand these general safety rules and will obey them at all times. There will be other safety rules given as the need arises. If I don't understand I will ask for help before proceeding. I know that if I violate these safety rules, I may be excluded from lab, and be excluded from earning points due to these violations and could potentially fail the course.

Printed Student Name	Student Signature	Date
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Printed Parent Name	Parent Signature	Date
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