Welcome

Welcome to VVC’s Chemistry 100 Lab! This will be your first introduction to a Chemistry laboratory. There are a number of safety items to go through before you start your first experiment, so let’s get started.
Safety rules must be followed

- All safety rules must be followed at all times. Chemistry is fun but it could be very dangerous if you do not pay attention to what you are doing.
- **Do not** mess around for any reason while in this laboratory. You don’t want this to happen to you.
Aprons

- Aprons must be worn at all times while performing a wet lab, which is a lab with chemicals involved.

- Safety goggles must be worn at all times when performing a wet lab. Your lab text and instructor will let you know when goggles are required and may be removed.
Aprons

- In room 36 the aprons are located in the closet near the back of the room.
Aprons

- In room 38 the aprons are located in 4 drawers throughout the room.
Goggles

- Safety goggles must have a lip on the top of the goggles so as to prevent liquid from spilling into your eyes from the top.
Goggles

- Safety goggles cannot be tinted any color.
Goggles

- If you have OSHA certified safety glasses, talk to your instructor about whether they will be permitted.
Goggles

- VVC will not provide safety goggles – you must bring your own. VVC’s bookstore does sell them.

- You must have your goggles with you on the first day of lab.
Clothing

- Pants and t-shirts or long-sleeve shirts are the required clothing to wear in the laboratory.
Clothing

- Pants with holes, shorts, and tank-tops are **not** permitted.
Clothing

- Closed-toed and closed-footed shoes are required, such as tennis shoes.
Clothing

- Open-toed shoes, such as flip-flops, sandals, and high heels are not permitted.
Clothing

- Open-footed but not necessarily open-toed shoes are also not permitted.
Clothing

- Any loose clothing or accessories, such as jewelry, need to be put away or made to not dangle. Rings are not required to be put away but they may become chemically damaged.
Accidents

- Report all accidents, no matter how small, to your instructor. This information may be used to further develop and/or refine existing safety procedures.
Health

- Women: if you are pregnant, please inform your instructor. You need to give a list of the chemicals that we will be handling to your doctor, and let us know if you are not allowed to perform an experiment with a doctor’s note.
Health

- If you have a disability and/or are in DSPS for any reason, please inform your instructor. Accommodations can be made if needed.
Health & Safety

- Smoking is not permitted in the laboratory.
Health & Safety

- Eating and drinking, even water, is not allowed in the laboratory. Also, do not chew gum.

- These rules exist because chemical vapors can get into the food, drink, or even gum. If you absolutely need to eat, drink, smoke, or use the restroom, inform your instructor.
Emergency Equipment

- In each room there is emergency equipment to be used in case of injury or accident.
Emergency Equipment

- Fire extinguishers are to be used in case of an extreme, uncontrolled fire. Do not use on a person. If possible, please allow your instructor to use the fire extinguisher.
Emergency Equipment

- Fire blankets are for smothering a fire without getting burned yourself. For an item on fire, pull the fire blanket completely out of the holder and place the fire blanket over the fire.

See [here](#) for a demonstration.
Emergency Equipment

- For a person on fire, wrap the person with the fire blanket until the fire is out.
Emergency Equipment

- The eye wash stations are to be used if a chemical or object gets into the eyes. Bring the person to the station and physically hold the person’s eyes open for at least 15 minutes.
Emergency Equipment

- The shower station is used in case chemicals are dumped all over you. Remove all affected clothing and stand under it for at least 15 minutes. Do not pull the handle unless you absolutely need to use it – we cannot turn it off easily and it makes a mess.
Emergency Equipment

- If any chemical is hazardous for any reason, the laboratory manual or the instructor should tell you how it is harmful. But to be safe, avoid getting any chemicals on your skin. If a chemical does come into contact with your skin, rinse it with cold water for at least 2-5 minutes. Soap is unnecessary.
Emergency Equipment

- First Aid kits are available though may not necessarily be in the room. If you are cut or slightly burned, let your instructor know and you will be taken care of.
Emergency Equipment

- The emergency phones are connected directly to campus police. You do not have to dial. Please be careful not to accidentally bump the phone off the hook.
Emergency Equipment

- If you happen to forget any of these rules, there are posters in each room to remind you.
Before Lab

- Before you come to lab, make sure to read the experiment, more than once if necessary.
Before Lab

- There are videos online for you to see the safety and techniques used in each experiment. You are required to view these before coming to lab.
Before Lab

- Go to www.vvc.edu
Before Lab

- Go to departments
Before Lab

- Go to Chemistry
Before Lab

- Go to Laboratory Safety and Technique Videos
Before Lab

- And click the Play button on the video you want.
Before Lab

- If the movie is not working, make sure to follow the steps on the page.
- Please note that Internet Explorer with Windows Media Player is the best for viewing the videos. Mozilla Firefox, Google Chrome, or Safari have trouble viewing the videos. Please use Internet Explorer only.