



Clover Valley Chemistry

Co-op/Learning Pod/Micro-school

Materials Access Form



Which CVC course are you requesting access for?

- Chemistry _____ Number of students
- Honors Chemistry _____ Number of students
- Introduction to Organic Chemistry and Biochemistry (IOCBC)
_____ Number of students

Fees for 12 months of access:

Chemistry \$125 USD x # of students using the materials (3 students minimum)

Honors Chemistry \$150 USD x # of students using the materials (3 students minimum)

IOCBC \$200 USD x # of students using the materials (3 students minimum)

***I will send an invoice to the parent's/teacher's email address upon receipt of the completed access form. These access fees are due in full before access to course materials is given and there is no refund available for this option. The access fees give the parent/teacher 12 months of access (from the date the invoice is paid) to the course materials. These materials include a chapter checklist schedule for each chapter unit, recorded lecture videos, assignments, labs, chapter tests, a midterm exam, and a final exam. I will also provide a suggested 36 week schedule for the course. The parent/teacher will be provided with answer keys for all assessments. These versions of the courses do NOT include access to the live "office hour" sessions and additional month-blocks of access are not available with this option. In addition, I will be available for help with clarification or technical issues only.**

PARENT/TEACHER INFORMATION			
Last Name	First Name	Parent/Teacher email Address	
Mailing Address (Number, Street, Apt.)	City	State/Province	
Zip/Postal Code	Country	Phone Number	

Please email your completed access form to clovervalleychemistry@gmail.com using "Clover Valley Chemistry Co-op/Learning Pod/Micro-school Access Requested" as the subject line of your email. You may complete the form digitally or print it and fill it out by hand. It may be emailed as an attached Word document, a scan (PDF or JPEG), or as an attached photo AS LONG AS THE PHOTO IS CLEARLY LEGIBLE.

Lab Safety for Clover Valley Chemistry courses

The following is from the lab manual for the 2nd edition of the QSL MicroChem lab kit (but is applicable to ALL lab experiments – no matter which kit or lab equipment is used):

Doing science experiments can be a safe activity as long as risks are minimized and safe procedures are followed. Risks can come from chemical and physical hazards. Chemical hazards involve exposure to chemicals and physical hazards include falls, cuts, eye injury, electrical shock, and fire. Understanding risks can help to reduce them, resulting in a safer laboratory.

Safety with Chemicals:

All chemicals may be hazardous and their dangers can be classified as follows:

- Flammability – will burn or even explode. This includes vapors.
- Corrosivity – destroys living tissues or causes permanent change in such tissue through chemical action.
- Toxicity – poisonous through inhalation, injection, absorption, and ingestion.
- Reactivity – there are self-reactive chemicals and incompatible pairs of chemicals; both can produce dangerous reactions.

For these reasons, the following procedures are required of all students when performing experiments using the QSL MicroChem Kits or any other kits or individually purchased pieces of lab equipment in the context of Clover Valley Chemistry courses.

Common Sense: Your best defense against an accident is to generously use your own common sense. Think before you act.

Eye Protection: You must wear approved safety goggles, such as those provided, when performing chemistry experiments. Approved goggles will have the the “Z87” code. Eyeglasses do not provide adequate protection because the sides, top, and bottom are open to possible splashes. Certain chemical vapors will attack some contacts. Soft contact lenses are permeable and allow vapors to reach the eye and become trapped. During emergencies, contact lenses are difficult for someone else to remove.

Acids and bases: Strong acids and bases are the source of most chemical accidents. They can cause holes in your clothing and can burn your skin. This laboratory manual and kit uses only dilute chemicals, which diminish these effects.

Work habits:

- Always wear approved safety goggles.
- Always act in a mature, responsible manner – NO HORSE-PLAY OR GOOFING AROUND WHILE DOING A LAB!!!!
- Make sure your body is covered from the shoulders to the knees.
- Never be barefoot or wear sandals or open-toed shoes.

Please email your completed access form to clovervalleychemistry@gmail.com using “Clover Valley Chemistry Co-op/Learning Pod/Micro-school Access Requested” as the subject line of your email. You may complete the form digitally or print it and fill it out by hand. It may be emailed as an attached Word document, a scan (PDF or JPEG), or as an attached photo AS LONG AS THE PHOTO IS CLEARLY LEGIBLE.

- Never eat or drink while doing science experiments.
- Never touch, taste, or smell any chemicals.
- Keep chemicals and equipment away from small children.
- Never work near an electrical outlet.
- Follow procedures carefully. If not certain, read again, and then think.
- Never become distracted, but always focus on the experiment.
- Keep chemical containers closed when not in use.
- Never pipet by mouth.
- Never leave heat sources unattended.
- Never point the open end of a test tube containing a substance at yourself or others.
- Check with local regulations before disposing of chemicals. It should be OK to dispose of the chemicals in this kit by rinsing them down the drain with plenty of water. This is because of the chemicals selected, the dilute preparation of the chemicals, and the small quantities used.
- Wash hands thoroughly with liberal amounts of soap and water when finished with experiments.
- If your workspace is the kitchen, wash the countertop or table very carefully with soap and water before preparing any food.
- The experiments in these kits are designed to be as safe as possible; however, use all care when handling glass and other breakables. The producers of the kit advise the use of gloves and safety goggles.

Safety in the science laboratory is a team activity, whether you are working alone or in a school laboratory. The producers of the kit and lab manual have done their part in selecting chemicals and equipment and in writing procedures to keep you and others around you as accident free as possible while providing you with the laboratory experience you need in your science education. It is your responsibility to follow the directions for each lab specifically, carefully, and exclusively. Since the producers cannot oversee your practices, they assume no responsibility for your safety.

Disclaimer for Clover Valley Chemistry

As instructor for the Clover Valley Chemistry courses, I have spent considerable thought and effort in evaluating and choosing the lab kit to accompany the courses so that the lab portion of the courses will be as safe as possible. However, since I have no control over the final use of the lab kits and cannot oversee students in-person during the labs, I assume no responsibility for student safety or mishaps or safety or mishaps involving other individuals. The kits should not be used by children without adult supervision. For complete MSDS information for all chemicals included in the kit, please see <http://www.qualitysciencelabs.com/safety-data-sheets>.

Please email your completed access form to clovervalleychemistry@gmail.com using "Clover Valley Chemistry Co-op/Learning Pod/Micro-school Access Requested" as the subject line of your email. You may complete the form digitally or print it and fill it out by hand. It may be emailed as an attached Word document, a scan (PDF or JPEG), or as an attached photo AS LONG AS THE PHOTO IS CLEARLY LEGIBLE.

Statement of Intent and Agreement for all parents/teachers:

Dear Parent/Teacher,

Your agreement below on this registration form indicates that you have read and agree to all of the safety rules and the disclaimer set forth in this form and are aware of the measures taken to ensure the safety of your students in the laboratory portion of this course and will instruct your students to uphold these rules and procedures while performing laboratory experiments. You also agree that all the information provided in this registration form is correct and true to the best of your knowledge. ***You agree to not share the course materials (videos, all materials found on the course portal, and all exams) with anyone other than your students. You will not reproduce any of the course materials for any purpose other than your own use for the 12 month period beginning on the date the invoice is paid. You will securely keep all answer keys provided to you and not share them with anyone.***

I agree to the above terms and conditions. I agree. I do not agree.

Date: _____

Signature: _____

Please email your completed access form to clovervalleychemistry@gmail.com using "Clover Valley Chemistry Co-op/Learning Pod/Micro-school Access Requested" as the subject line of your email. You may complete the form digitally or print it and fill it out by hand. It may be emailed as an attached Word document, a scan (PDF or JPEG), or as an attached photo AS LONG AS THE PHOTO IS CLEARLY LEGIBLE.