

## Information for Instructors

ChemVantage.org

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### Overview

ChemVantage is an Open Education Resource for teaching and learning college level General Chemistry. ChemVantage features video tutorials, electronically graded quizzes and homework exercises, practice exams, and links to free textbooks. Individual users can browse to <http://www.chemvantage.org> and use the site at no cost.

ChemVantage also supports groups of users led by an instructor. A group is usually a class of students but could be a smaller discussion section or a larger group consisting of several classes. This document provides guidance to instructors on how to create and manage ChemVantage groups. Before joining a group, a student must obtain a ChemVantage premium account upgrade:

- \$4.99 per individual upgrade (student pays); or
- \$2.00 per seat for 50 seats or more (school pays)
- Instructor and admin accounts are free
- All upgrades in a new school domain are free for the first 4 months

### Does It Work?

Yes! In a study of more than 1000 General Chemistry students at the University of Utah, students who scored more than 65% on ChemVantage assignments passed the course (99% probability of final grade of C- or better).

### Are Students Satisfied?

Yes! Students rate ChemVantage 4.4 out of 5 stars ( avg.; more than 38000 ratings).

### Does ChemVantage Integrate With My Class LMS?

Yes! ChemVantage is certified by the IMS Global Learning Consortium to be compliant with the latest LTI v1.1 integration standards for learning management systems (LMS). Your LMS admin sets up a secure trusted connection to ChemVantage. When a student clicks an assignment link in the LMS, it automatically authenticates them in ChemVantage. If the LMS supports LTI v1.1, the score on the assignment is automatically returned to the LMS grade book.

Here are the steps to set up your class in ChemVantage:

1. Your LMS admin contacts [admin@chemvantage.org](mailto:admin@chemvantage.org) to set up LTI .
2. You create an LTI link in the LMS and launch it as the class instructor.
3. Use the Instructor link in ChemVantage to select quiz and homework assignments for your class. If you are using LTI v1.1 set all the deadlines to the end of the term (let the LMS enforce individual assignment deadlines).

4. Create one LTI link for each assignment. Click each link once to choose the ChemVantage assignment that corresponds with the link. ChemVantage will remember this choice and send students to the correct assignment.

### Google Apps Integration

ChemVantage is fully integrated to the Google Apps EDU marketplace. If your school uses Google for student email accounts, your Google Apps admin can add ChemVantage to your domain. This creates a private space for your school or district in ChemVantage that allows students to authenticate with their school email username and password. Your local admin can manage user accounts and grant instructor privileges. This integration is free and is complete in two clicks.

### Public Domain Groups

Even if you don't use an LMS or Google Apps, any chemistry instructor can get a free instructor account to form an unlimited number of groups. Students can login with their Gmail/AOL/Yahoo credentials, purchase a premium account upgrade and join the group. The instructor can select and customize assignments, set deadlines and monitor student progress using the built-in grade book and Learner Analytics tools. To request a free instructor account, first create a basic ChemVantage account by authenticating to the site as described above. Then send email to [admin@chemvantage.org](mailto:admin@chemvantage.org) from your institutional email address requesting instructor privileges.

### Powered By Google App Engine

ChemVantage uses Google App Engine hosting for maximum server security, uptime and reliability.

### Technical Support

ChemVantage provides many opportunities for our users to provide feedback. If you think something isn't quite right, or if you just need some help getting started, please tell us in a feedback form or send email to [admin@chemvantage.org](mailto:admin@chemvantage.org) or call us at 801-810-4401.

### 100% Satisfaction Guarantee

ChemVantage is committed to providing the best possible online learning environment for General Chemistry at the lowest possible price. If you have a question or problem using the site, please let us know immediately. If we are unable to resolve any issue to your complete satisfaction, we will cheerfully refund your payment in full.

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