



Welcome to High School Chemistry – NGSS

This Chemistry course is part of a three-year course sequence that uses four bundles of Next Generation Science Standards (NGSS) to teach discipline core ideas (DCI). The course model is written with the assumption that it will be part of a high school sequence of Chemistry, Physics, and Biology courses, each with Earth and Space Sciences and Engineering Design integrated into the courses. NGSS Bundles use a Chemistry text to teach DCIs and fulfills the College Preparatory requirements for CP designation.

The one year course earns 10 credits towards science graduation requirements and fulfills the "D" requirement for CSU/UC application.

Textbook Requirement: *Chemistry: Concepts and Applications* (Glencoe - 2005)

Attendance: Twice a week for 1 hour on scheduled Onsite classroom days, 26 days per semester.

Grading:

Chapter Section Assessments 10% at Moodle or:

http://glencoe.mcgraw-hill.com/sites/0078617987/student_view0/self-check_quizzes.html

Vocabulary/Practice Problems 10% (from Moodle or Benchmarks)

Lab Reports Writeups 10% (5 per semester)

Chapter Tests 30% (take online at: <http://moodle.thelearningchoice.org>)

Projects/Investigation Report 10% (Can be Project Showcase)

Mid-Term / Final Exam 20%

Discretionary 10%

First week's assignment is the Safety Unit with 4 parts to the unit.

- 1) WATCH/READ the Safety PowerPoint at the following address:
<https://sites.google.com/site/msrhondascience/Home/safety-page>
- 2) READ and SIGN the Safety Contract, prepare for an open note exam (attached)
- 3) COMPLETE online test at <http://www.tvgreen.com/Forms/safetest.htm> -- print your grade or email me the results to cristian.aguilera@learningchoice.org or your science teacher (you cannot save results so take a screenshot or copy/paste)
- 4) COMPLETE ONE of the following to show understanding:
CREATE a Safety Poster (from one of the rules)
CREATE a PowerPoint or Prezi page teaching one of the rules, email your assignment
CREATE a comic strip (manga panel) illustrating one of the rules. Bring it to class the first day.
CREATE a video demonstrating one of the rules (you may use one of the animation software below), email video to your science teacher (cristian.aguilera@learningchoice.org)
<http://www.fluxtime.com/animate.php>
<http://goanimate.com/>
<http://www.voki.com/create.php>
<http://www.autodesk.com/education/free-software/maya>