

## Chemistry – Honors (3101H)

Chemistry is a two semester course that deals with the structure and composition of atomic matter. This course emphasizes laboratory experiences to strengthen **PROBLEM-SOLVING SKILLS** and to teach basic lab techniques. Students enrolled in this class have earned the privilege to be here through exemplary efforts in previous courses. They must maintain these efforts for continued enrollment.

Specific topics that will be covered: Measurements and Calculations, Types of Energy, Classes of Matter, Atomic Structure, Light and Atomic Interactions, Periodicity, Chemical Bonding, Compounds, Balancing and Stoichiometry, Physical and Molecular properties of Gases, States of matter and Equilibrium, Liquids, Solids and Solutions, Acids and Bases, Oxidation-Reduction reactions.

**Instructor:** Mr. Leavings      **Room:** C-124      **Email:** jleavings@rsd17.org

**Course Website:** The course website can be accessed through the district's main webpage. It is updated regularly and contains information regarding course assignments and projects.

**Office Hours:** Listed below are the times I will be available for help and/or conferences. Additional times can to be arranged; even though I have limited hours during the day I will make time for legitimate reasons. Students who need to make up work or are behind may be required to attend one or more of these sessions to make-up work and/or for tutoring.

Student Help/Office Hours:

- After/Before School by appointment
- Afternoon Help sessions held regularly throughout year
- Wednesday 1<sup>st</sup> Lunch, Friday 1<sup>st</sup> Lunch

**Teacher Expectations:** In order to be successful, please remember the following:

- Students *earn* their grades; they are not *given*.
- Do excellent work the first time. ***There are no extra credit opportunities*** to supplement poor grades or zeros.
- Write down the agenda and all assignments in your planner.
- If you believe that you are falling behind or are having difficulty understanding the material, please see the teacher as soon as possible.

**Class Rules:**

1. Respect yourself, your peers, and your teacher.
2. Be on time and prepared to learn everyday.
3. Contribute to the learning environment.

**CELL PHONES:**

Cell phone are not to be used during class unless specifically directed by the teacher. The following policy will be followed for infractions:

1. 1<sup>st</sup> offense will be a warning
2. 2<sup>nd</sup> and all other offenses will be a call home and referral

***Students who disrupt the learning environment will not be tolerated and will be assigned appropriate consequences.***

**Required Course Materials:**

- Textbooks: Introductory Chemistry: A Foundation. 8ed Zumdahl & DeCoste
- Three ring binder with dividers and loose-leaf paper/Notebook
  - o You are required to take notes in class. There are NO exceptions.
- At least 2 pens (blue or black only) and 2 pencils
- Graphing Calculator (ex Ti-##)
- USB Drive (for projects)

**HKHS Grading System and Attendance Policy** – See Student Handbook; Students who do not fulfill the attendance policy may lose course credit due to excessive tardies and/or absences.

**Attendance/Absences:** Students who are absent are responsible for obtaining in-class work, homework, or make-up work from the instructor during the absence (by contacting the guidance office) or on the day they return. Make-up work will be accepted for excused absences only; you will have 3 calendar days (including weekends) to turn in the assignment. Do not assume that if you were absent, that you do not need to turn something in, or that you may turn it in whenever you choose! If you are absent on the day before an exam (review day) you will still be required to take the exam on the day it is administered.

**Calculation of Grades:** Grades will be calculated using a percent system. The total points you earn in that category will be divided by the total points possible in that category, and assigned using the following scale and categories. It is important that you realize homework is essential for success within this course to solidify concepts but it is not used in the calculation of your grade.

100.0 – 90.0 = A	Each Semester:
89.9 – 80.0 = B	- Labs/Projects.....40%
79.9 – 70.0 = C	- Tests/Quizzes.....60%
69.9 – 60.0 = D	
59.9 – 0.0 = F	Overall: 1 <sup>st</sup> & 2 <sup>nd</sup> Semester:.....80%
	Midterm & Final.....20%

**Course Website & Power school:** Each week, assignments and grades are posted online as an added support for students and parents/guardians. Daily work, assignments, lab/project information, course information are posted on the course website. Grades are posted on a weekly basis on Power School. Please make sure to check both regularly.

**Homework/Classwork/Assignments:** Homework will be assigned and some of the problems will be discussed in class, all homework will be checked.

**Labs/Projects:** Students will regularly participate in labs and projects. During the course, several major labs will be completed that will make up a significant portion of the grade. Some labs and projects will require work outside of class time and/or materials from home to facilitate

participation. Labs and projects **turned in after the class period due** will be assessed in the following manner:

- Assignments that are turned in late will be assessed at one letter grade lower.

\*\*\* Lab Reports: *Some* labs will be submitted following a template format that will be available on the class website.

**Tests/Assessments:** Tests and assessments will be based on both new concepts and concepts discussed earlier in the semester. Depending on the length and amount of material covered, they will weigh differently in your overall grade. The format may include some or all of the following: true/false, matching, multiple choice, fill-in-the-blank, and short answer/essay.

**Midterm:** At the end of the first semester, a midterm exam will be administered that will cover the material covered during the first half of the year.

**Final:** At the end of the second semester, a final exam will be administered that will cover all the material covered during the second half of the year.

### **Haddam-Killingworth High School Science Department Homework Policy**

Homework is defined as the time students spend outside the classroom in assigned learning activities. The Haddam-Killingworth High School Science Department believes that homework should be to practice, reinforce or apply acquired skills and knowledge. We also believe, as research supports, that assignments completed and well done are an effective part of the learning process. Homework should serve in the development of independent study skills and we believe that completing homework is the responsibility of the student.

It is the intention of the Haddam-Killingworth High School Science Department to assign relevant and meaningful homework assignments that reinforce classroom learning objectives. Homework should provide the opportunity for students to apply and reinforce information presented in class, complete unfinished class assignments and should build student responsibility, self-discipline and lifelong learning habits.

\*\*Note that highlighted areas are specific to all upper level classes (NOT ES/BIO)

Please note that students will be assessed on homework as follows:

2 (Valid attempt at completing homework)

1 (Partial attempt at completing homework)

0 (No attempt at completing homework)

#### **Electronic Devices & Bring Your Own Technology Policy (from HK handbook)**

Cell phones and all other electronic devices (e.g. ipods) may not be used during class periods except when the technology is explicitly used for instruction and learning under the direction of the teacher. ***The only acceptable place and time to use an electronic device such as a cell phone is during passing time and lunch – and only in the hallways and in the cafeteria.*** Student tardiness to class due to phone use is unacceptable, as is leaving class to use the phone in the hallway or lavatory. In addition, headphones (i.e. or ear buds, etc.) shall not be used at all except in the cafeteria (including the outside dining area) during lunch. This is to encourage appropriate social interactions between students in the hallways and avoid the safety hazard caused by students unable to hear instructions, announcements, etc.



## Student and Parent/Guardian Acknowledgement

It is important that all students and parents/guardians understand the course information and requirements in order to be successful in this class. If you have any questions or concerns at any time, please discuss them with the instructor as soon as possible.

**Please check all boxes that apply:**

- |   |           |   |
|---|-----------|---|
| <input type="checkbox"/> We have read and understand the syllabus for Honors Chemistry.   | <u>OR</u> | <input type="checkbox"/> We have read the syllabus, but need additional information about:<br>_____                                       |
| <input type="checkbox"/> We will use the course website to stay updated about coursework, and Power School to review grades and progress. | <u>OR</u> | <input type="checkbox"/> We do not have reliable internet access and will need assistance in staying updated about coursework and grades. |

_____	_____	_____
Student Name	Student Signature	Date
_____	_____	_____
Parent/Guardian Name	Parent/Guardian Signature	Date

## Contact Information

- I/We **do not** wish to maintain contact through email.

Preferred method of contact: \_\_\_\_\_

- I/We **do** wish to maintain contact through email: \_\_\_\_\_

Please send an email to [jleavings@rsd17.org](mailto:jleavings@rsd17.org) that includes the following:

- Student's name, Course, and Period
- Parent/Guardian's name(s) and relationship to student
- Additional contact information or comments if necessary

Additional Comments: \_\_\_\_\_

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