

**Honors Chemistry**  
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**Text @2384bk to 81010 for Remind**  
**Fall Semester 2019**

**Class Overview:** This course deals with chemical changes in matter. It includes topics such as elements, compounds, atomic structure, bonds, formulas, equations, stoichiometry, acid-base theories, solutions and states of matter. The honors class has a greater emphasis on problem-solving and mathematical calculations. **Because this is an honors class, students receive 1/2 extra quality point for the course. The standards for Chemistry Honors classes have been raised and there is much additional curriculum which is not included in the regular Chemistry class. Additional curriculum may include (but is not limited to): using significant figures in calculations, variations of the Ideal Gas Law (calculations and concept), greater emphasis on writing chemical names/formulas/reactions, calculations involving energy/light/electrons, exceptions to periodic trends and electron configurations, etc. A student that is used to making a “96 A” in every class may have to work much harder in this class to achieve that grade. Understanding, application & long term learning are essential.** Chemistry requires a lot of math, so it is important to have good mathematical skills. Often there is a **direct correlation between success in this class and success in Math II**. In order to get full credit on math problems we will show our work and always use units because that is what scientists do. *A regular Chemistry class is available if you feel it would be a better option.*

**Supplies:** paper, pencil, 3-ring binder, scientific calculator (graphing calculators are acceptable but **not** required). You must bring these items and your textbook to class every day. Also, please consider donating a box of facial tissues/Kleenex for students to use throughout the semester. Textbooks may be left in the classroom and are **left at your own risk**, you are still responsible for the textbook that is assigned to you.

**Classroom rules and consequences:** Students are expected to be considerate of others’ ideas, comments, criticisms, and opinions. Students are to arrive to class ready to participate, listen, and learn. Students who disrupt the learning environment of the class will receive the following:

- 1<sup>st</sup> offense      verbal or written warning
- 2<sup>nd</sup> offense      written warning/parental call (may receive break or after school detention if initial warning is unsuccessful)
- 3<sup>rd</sup> offense      break or after school detention (may be removed from class to office/parental conference)
- 4<sup>th</sup> offense      removed from class to office

**Exams:** Tests are given every couple of weeks as each unit is completed, see schedule on back.

-Students will be given a test result form that **must** be signed by the student **AND** parent/guardian.

-**Final exam:** There will be a state issued Final Exam. It will be worth 20% of your grade. There are no exemptions from this test.

**Grading Scale:** 75% tests, 10% quizzes, 10% labs/activities and 5% homework

Lincoln County policy requires grades be entered within 10 days of the test date.

**Cell phones/ipods/personal digital devices:** Cell phones are not to be out in sight or use during instructional, practice, group work, or assessment times. There will be times I ask students to use their devices for research purposes. Cell phones should not be used as calculators on a regular basis. At the beginning of class, students will be asked to “Power Down” their mobile devices. Cell phones and other mobile devices must be silenced or turned off and put in the student’s book bag. Students using these devices inappropriately will be given a warning and are expected to put the device away. Continued misuse of any digital device will result in a discipline referral.

Please help me reinforce the importance of time-on-task and limiting unnecessary distractions. Cell phones should never be used for any reason during a test or quiz, and will result in a grade of zero and an office referral.

**Attendance and Tardies:** This class will be moving at a fast pace and attendance is important. **You** are responsible for obtaining any missed assignments and for making them up. This includes getting the class notes, completing homework and making up any tests, quizzes, or labs. Notes are available on my school web page and classwork will be posted to the calendar daily. In case of an EXCUSED absence, students have THREE days in which to complete work missed UPON RETURNING. Make-up quizzes or tests for an UNEXCUSED ABSENCE is at the teacher discretion.

**Tardies:** Time for tardies must be made up according to the following. Failure to serve the make-up time will result in office referral.

1<sup>st</sup>/2<sup>nd</sup> tardy: warning

3<sup>rd</sup> tardy: parent/guardian notification

4<sup>th</sup> tardy: break detention

5<sup>th</sup> tardy: office discipline referral

**Labs:** Safety is very important; all rules/instructions must be followed to the letter!

-anyone not following instructions/playing around/doing anything potentially dangerous or disruptive will be told to sit down and will receive a failing grade for that lab! Students who are absent on lab/demo day will have a 3 day extension to turn in the lab. Labs that are turned in late will have a 10% deduction in points for each day it is late.

**Homework:** Homework must be completed by the due dates. Homework will often be checked for completion and reviewed in class, occasionally homework will be collected and graded for accuracy. **Quizzes** will be given frequently! These may or may not be announced. Successful completion of homework will help ensure success on the quizzes. Quiz corrections can be completed to earn back half credit. Corrections involve writing the correct answer (or reworking entire problem) and a detailed explanation of the answer. Credit will not be given if corrections are not done properly.

**Grading:** I will be using a non-traditional grading system – standards-based grading. What this means is that students will be graded on their knowledge of specific learning standards. This allows students to be graded on what they know and what they have learned. For example, instead of receiving a single percentage grade for a test, each question will relate to an objective and each objective will receive its own separate grade. A list of standards and objectives that will be graded will be provided for students at the beginning of each unit and posted on my class webpage. The student's grade for a standard will be based on their level of proficiency on the objectives within the standard. The standards will then be averaged for the student's final grade. All students can improve individual standard grades through retesting after certain criteria have been met (choices include, but are not limited to: tutoring, additional problem sets, graphic organizer, test corrections, revising or making a flip chart, etc.) A more detailed description is available online

**Webpage:** My class webpage will have links to helpful websites and videos, pdf's of reference tables, study guides/answers, standards for each unit, test and quiz dates, all notes for the semester (notes may be printed in advance of each unit – be sure to print multiple pages per sheet and in black/white). At the end of each day I try to post everything that has been written on the SmartBoard which may include current assignments/lessons, annotations to notes, homework solutions, etc. The webpage can be accessed through the school website – look for my name under the "Faculty" section.

**Tutoring and my contact information:** I will be available for tutoring after school on Tuesdays each week. Please feel free to call me at 704-736-1969 ext 62314 or email [stownsend@lincoln.k12.nc.us](mailto:stownsend@lincoln.k12.nc.us). I will respond within 24 hours during the school week or Monday following the weekend.

**Chemistry topics build on each other, what you learn each unit will be used in the following units. It is vital that you keep up with homework and get help right away and/or ask questions if you don't understand something.**

**Your success in this class is a direct result of the effort you put into it!**

**"You have brains in your head. You have feet in your shoes. You can steer yourself any direction you choose." -**

**Dr. Seuss**

**Tentative Course Schedule:**

Unit	Chapters in Book	Test Date
Math in Chemistry	2	Tuesday August 20
Atomic Structure	4, 5, 25	Thursday September 5
Periodic Table and Trends	6,7	Wednesday Sept. 11
Bonding	8,9.1, 9.2	Friday Sept. 20
Molecular Geometry	9.3,9.4,9.5	Tuesday October 1
Moles	11	Wednesday October 9
Chemical Reactions	10, 17	Friday October 25
Stoichiometry	12	Tuesday November 5
Gas Laws	14	Thursday November 14
Solutions, Acids, Bases	15,19	Tuesday November 26
Energy and Equilibrium	13,16, 17, 18	Tuesday December 10

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I have read and understand the class Policy/Syllabus for Honors Chemistry.

Student Name and Signature: \_\_\_\_\_

Parent Name and Signature: \_\_\_\_\_

Parent/guardian e-mail (preferred) or phone#

Please indicate anything I need to know about your child to help ensure his/her success in this class: