

# AP Chemistry Syllabus

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## Course Overview

The purpose of this course is to provide a college level course to prepare you to seek credit and correct placement in your college chemistry courses. We will be engaged in hands on lab work, lecture, and group learning activities. Emphasis is placed on depth of understanding rather than breadth of topics.

## Instructor

Mr. Harris

## Phone

928-214-8776 ext  
109

## Email

[Tharris@northland  
prep.org](mailto:Tharris@northlandprep.org)

## Office

### Location

Rm # 109

## Office Hours

7<sup>th</sup> period prep  
2:24pm – 3:15pm

Appointments can  
be made for lunch  
and/or after/before  
school

## Units of Study

Quarter 1: Matter and Measurement, Atoms/Molecules/Ions, Reaction Stoichiometry, Thermochemistry  
Quarter 2: Periodic Properties, General Bonding Concepts, Molecular Geometry/Bonding Theories,  
Gases, Liquids and Intermolecular Forces  
Quarter 3: Properties of Solutions, Kinetics, Equilibrium, Acids and Bases  
Quarter 4: Enthalpy, Entropy, Spontaneity, Electrochemistry, Organic Chemistry

## Required Text

Brown, Theodore L., H. Eugene LeMay, and Bruce Edward Bursten. (2009). Chemistry: The Central Science (11th ed.). Pearson Education

## Course Materials

- Pencils, erasers, highlighters, etc...
- 1 – composition notebook
- 1 - 3 ring binder (1” or larger) - Dividers are useful
- Scientific calculator
- 1 Box of tissue
- 1 Ream of lined paper, college ruled

## Grading Scales

The grading scale for this class is a *weighted* grading scale; meaning: some assignments are worth more towards your total grade than others e.g. Tests and labs.

Your semester homework, quizzes, labs, and tests will account for 90% of your semester grade, and the semester final exam is worth 10% of your semester grade.

Homework – 20%

Quizzes – 15%

Labs – 25%

Tests – 40%

## Classroom Procedures

**Bell Work:** I have two forms of bellwork. 1) Practice problems - this form of bellwork is written on the board. You will begin the bellwork as soon as the tardy bell rings. 2) 5 minute quiz - Quizzes will begin when the tardy bell rings, and end 5 minutes after \*BE ON TIME\*. If you are absent, you must make up the quiz the day you return. Unexcused absences will result in a zero. This is my tardy policy—if you are continually late, it will reflect in your grade.

**Homework Assignments:** Homework will be assigned through the online Mastering Chemistry program. We will have a Mastering Chemistry assignment for each unit we complete. The MC assignment will normally be due 1 week after it is assigned at 11:59pm. Each MC assignment will also have an Adaptive Follow-up assignment that will be *optional* and available for extra credit points.

**Late Homework:** Late homework will not be accepted for points, although it will be beneficial to complete all homework for practice.

**Absent Days:** If you are absent, your homework is still due according to the Mastering Chemistry calendar. It is your responsibility to get the notes off of the Mastering Chemistry course materials page and complete the homework on time. It is also your responsibility to communicate with me PRIOR to your absence to make-up tests, quizzes, and labs.

**Cell Phones:** Cell phones will be placed in the cubby assigned to your seat as you walk into class each day. If your cell phone is needed, I will let you know.

**Online Classroom:** We will use Mastering Chemistry as an online classroom. You will be able to complete all homework assignments, access class notes, and communicate with me through this online program.

**Discipline:** I will treat you as adults until you show me that I can no longer give you that responsibility.

- 1) Verbal warning
- 2) Verbal warning + Document behavior + Meeting with Mr. Harris after class
- 3) Document behavior + Contact parents
- 4) Contact parents for formal meeting + Create individual behavior plan

**Chem Cash:** Chem Cash is my pride and joy, DO NOT COPY CHEM CASH! If you are caught copying chem cash, *ALL* privileges will be taken away for the remainder of the school year. You will be paid 2 Chem Cash per week IF you show me that you have zero missing assignments in FamilyLink. .

Chem cash may be used for the following:

1. Leave the classroom (restroom, drink, sharpen pencil, locker, office, etc...)
2. Borrow Mr. Harris's supplies (calculator, periodic table, etc...)
3. Turn in 1 late homework assignment or lab per quarter

### **Lab Safety:**

This class has an assigned lab. The chemistry lab is an environment that sparks imagination, allows you to make hands on discoveries, and conduct cool experiments! BUT... Lab safety is the most important aspect of this class. I have a no tolerance policy in lab. If you are caught breaking any lab rules, you will be taken out of the lab setting, indefinitely, pending further judgement.

- 1) No Horseplay in the lab
- 2) No unauthorized experiments will be conducted in the lab
- 3) ALL accidents, spills, breaks, or missteps will be reported to Mr. Harris IMMEDIATELY.
- 4) Proper clothing and eye protection will be worn during all labs!

### **In Case Of Emergency Procedures:**

#### **Lockdown Procedure for Students**

- 1) **BE SILENT** immediately as the lockdown is announced
- 2) **Move to the back of the classroom behind the lab tables**
- 3) **Sit QUIETLY and STILL** until told otherwise

#### **Shelter In Place Procedure for Students**

- 1) **Shelter in place is an alert that means the class is NOT in immediate danger, therefore we will proceed with class instruction**
- 2) **You are NOT permitted to leave the classroom during a Shelter In Place alert**

#### **Fire Drill Procedure for Students**

- 1) **We will line up in a single file line at the door**
- 2) **To evacuate**
- 3) **Exit the classroom to the *right***
- 4) **Go to the end of the hall**
- 5) **Continue *straight* to the sidewalk on Sparrow Ave**

## Student Contracts

I \_\_\_\_\_ understand that I will be treated as an adult in Mr. Harris's classroom until proven that I can no longer hold this responsibility. I will uphold a *mutual respect* with Mr. Harris and my classmates. All issues I have with Mr. Harris or a classmate will be brought directly to Mr. Harris's attention in a professional, courteous setting and manor.

Lab safety is the number one priority when conducting experiments in Mr. Harris's classroom. I will hold myself accountable by following all Flinn Scientific lab safety procedures, as well as alerting my classmates and Mr. Harris when they are in violation of these rules. I will use the lab as a learning environment to better understand chemistry concepts.

Signed

X \_\_\_\_\_

Date

\_\_\_\_\_

Parent or Guardian Signature

X \_\_\_\_\_

Date

\_\_\_\_\_

**Due Friday, August 16!!!**

Dear Parent/Guardian,

Hello! Welcome to Mr. TJ Harris's AP Chemistry course at Northland Preparatory Academy for the 2019-2020 school year. The main points are: 1) my contact information, 2) my expectations for the school year, and 3) my online classroom.

I am very excited for this upcoming school year, as it is my 4th year as a teacher. I graduated from the University of Great Falls, Montana in 2016 with a B.A in Secondary Education and Broad Field Science in Secondary Education, and I am currently pursuing my masters in Education Leadership-Principalship at Northern Arizona University. I would like to be very accessible throughout the school year to hear any concerns or updates regarding your child. You can reach me by email at [tharris@northlandprep.org](mailto:tharris@northlandprep.org) (most effective) or phone 928-214-8776 ext. 109

I have learned through my teaching experiences that mutual respect is the foundation of any successful learning environment. Therefore, I have sent home a contract for your son/daughter to sign regarding mutual respect along with other classroom requirements. I encourage you to also read this contract, as it explains my expectations for your child in my classroom, which includes: homework and tardy policies, as well as a safety contract.

I will be using Mastering Chemistry as an online resource this year. A goal of mine is to keep you updated with all of the information you will need to assist in your child's success. Nearly all homework will be assigned through this online program, and students will complete and turn in the assignment online. I can print assignments if necessary; please explore this site with your child.

Sincerely,

Todd Harris Jr. (TJ)  
Chemistry Teacher, Northland Preparatory Academy  
Head Boys & Girls Basketball Coach