



Tecumseh High School Chemistry

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COURSE DESCRIPTION

General Chemistry is designed to be a broad overview of the many different fields and disciplines of chemistry. Course content is chosen based on what is necessary to meet the Ohio Academic Standards and what will better prepare you for other science classes in the future.

COURSE OBJECTIVE

1. To develop problem-solving and critical-thinking skills to become a better learner.
2. To gain a knowledge of the many different disciplines of science, particularly physical science.
3. To gain knowledge of how science is currently being used in the real world.

COURSE TEXT

Holt, Rinehart and Winston. (2002). Modern Chemistry. Austin: Holt, Rinehart and Winston.

Texts will be kept in the classroom. You are more than welcome to "sign out" a book to study or complete homework. By signing out the book you are responsible for it's condition until it is returned to me so that I may sign it back in.

RECOMMENDED COURSE SUPPLIES

Calculator
Three Ring Binder (at least 1") - (Tabbed Pages work the best)
Pencil
Pen
Paper
Smartphone, iTouch, Tablet (Optional)

LAB FEE

The lab fee for Physical Science will be \$20.

Classroom Expectations

THE LEARNING ENVIRONMENT

- Be ready to work as soon as the tardy bell rings to answer the “Question of the Day”
- Students are expected to respect me, your classmates, yourselves, the classroom and the materials that you will use.
- Listen carefully and pay attention when I am talking.
- Listen to classmates when they are talking.
- Students that have questions or want to make a statement should raise their hand and wait for me to call on them.
- Follow all lab instructions with extreme care.
- Remain seated until dismissed by the teacher.
- Work well with others.
- Remember that YOU are the only one responsible for your actions and that all school rules apply at all times.

DISCIPLINARY ACTIONS

If a student is being disruptive, a distraction or unproductive the following actions will be taken.

1. Verbal Warning – If you receive a verbal warning, it is my advice to you to stop whatever ever it is your are doing. If you choose to continue the following two consequences will be administered.
2. See Me After Class – This gives Mr. Hess and the student time to evaluate the situation and their actions. It allows the student to correct their behavior or explain the situation. After class students can state their case and discuss what took place.
 - a. If Mr. Hess thinks it is necessary detentions or office referrals will be assigned.
3. Wait in the Hall. – This action will be used if the student has crossed a line that doesn't allow Mr. Hess continue class while the student is in the class. Example: If Mr. Hess asks you to see him after class and you talk back, get angry, loud or belligerent our will be asked to wait in the hall.
 - a. If Mr. Hess thinks it is necessary detentions or office referrals will be assigned.

Notice, these action allow the class to CONTINUE to run smoothly. We will not be wasting class time for students who do not do what is being asked of them. Mr. Hess will spend his time with the students that are doing what is asked of them. Students behaving appropriately will be dealt with on their time.

STUDENT EVALUATION

GRADING SCALE

The following grading scale is in accordance with the Tecumseh Local School district policy:

Grade	Percentage
A+	99-100
A	95-98%
A-	93-94%
B+	91-92%
B	88-90%
B-	86-87%

Grade	Percentage
C+	83-85%
C	80-82%
C-	77-79%
D+	75-76%
D	72-74%
D-	70-71%
F	69 and below

GRADING WEIGHT

Type of Assignment	Percentage
Homework (Labs, QOD, Exit Slips)	50%
Quizzes and Tests	50%

GRADING

- There are two ways that you can check your grade during the course of the year. The first is thru progress book. Progress book can be accessed thru the computer via the password given to you from the guidance department. The second way is in the classroom. Mr. Hess will post the grades frequently during each quarter up on the board in the class room.
- A total points system is used to calculate your grade. To calculate your percentage grade, divide your total points earned by the total possible points.

Grades will be based on the following:

QOD/Exit Slip:

1. Every day students will complete the QOD and exit slip for **accuracy credit**. Accuracy credit is another way of saying that these will be graded based on their correctness. These two daily items allow me to quickly assess if an individual students understands the basic concepts from the current and previous day.
 - a. QOD – The question of the day should be completed at the beginning of the period in a timely manner as soon as the bell rings. This may be completed on a half sheet of paper or online by using your own device or one of the iPads/computers that Mr. Hess has in his room.
 - b. Exit Slip – Exit slips will take place at the end of the period. They can be anything from a quick multiple-choice question to a 5 question quiz. The questions will be over information that was covered in that class period. Exit Slips may be completed online or on the same half sheet of paper that was used for the QOD.

Homework Completion:

- Every Unit students receive a packet that has homework, labs and note pages for the unit. These packets are expected to be complete on the day of the test. Homework is your opportunity to learn new information and gain a better understanding. The completion grade allows you to gain credit by going through this process.
- Homework is **NOT** designed to boost your grade!!!! That is not it's purpose. Homework is used to help a student understand the material. Mr. Hess uses the homework to help guide you to improve your understanding.
- Half credit will be given for late homework.

Labs:

- Labs may be collected and given an accuracy grade.

Unit Tests:

- Every Unit will have a test that is mostly multiple choice with some free response.

Exams

- An exam will be given at the end of each semester.

OTHER CLASSROOM PROCEDURES

Make-up Work:

- If you miss a day a school it is your job to make up that work. I will not spend my time coming to you and telling you what you have missing. Notes will need to be copied from a friend in the class.
- Tests may be made up before or after school or during lunch or a study hall. Class time in my class or another teacher's class will not be used.

Cheating:

- Cheating or copying from another student will result in a zero and an office referral. Cheating is turning in any work that is not yours. If I wanted a copy machine I would go down to the office and use one.

Lab Groups:

- The rows that you're sitting in are our lab groups. Your seat will change every quarter and therefore your lab group will change every quarter.

Hall Passes/Tardies:

- Your hall passes and tardies are a combined tally at the front of the room. You may leave the room 7 times every quarter. So you may use 7 tardies and 0 hall passes or 7 hall passes and 0 tardies or any other combination of the two.
 - To use a hall pass students must fill out and use their agenda.
- Unused Hall passes and tardies at the end of the quarter will be applied to **extra credit**.

QOD Procedure:

1. Bell Rings.
2. Sit Down quietly.
3. Finish the QOD quietly.
4. Wait for Mr. Hess to finish grading homework quietly.
5. Failure to do this will cause you to be tardy.

Exits:

1. Complete exit slip.
2. Do not pack up until Mr. Hess is done talking.
3. You must be in a seat until the bell rings.

2012 – 2013 COURSE SYLLABUS:

Note: This is a tentative schedule of topics. The topics and their order are subject to change.

Semester 1

Quarter 1:

Unit 0: Getting Started
Unit 1: Math Review
Unit 2: Safety and Measurement
Unit 3: Significant Figures/ Conversions
Unit 4: Types of Matter
Unit 5: Properties of Matter

Quarter 2:

Unit 6: Energy
Unit 7: Atomic History and Parts
Unit 8: The Mole
Unit 9: Nuclear
Unit 10: Intro to the Electron
Unit 11: Electron Configurations

1st Semester Exam: 100 points

Semester 2

Quarter 3:

Unit 12: Periodic Table – History and Structure
Unit 13: Periodic Table - Trends
Unit 14: Intro to Bonding - Ionic
Unit 15: Covalent Bonding
Unit 16: Molecular Geometry

Quarter 4:

Unit 17: Naming and Writing Formulas
Unit 18: Formula Stoichiometry
Unit 19: Balancing Equations
Unit 20: Stoichiometry
Unit 21: Solutions

2nd Semester Exam: 100 Points