

Chemistry – The Central Science

Hettinger High School

Instructor: Miss Block Contact: Anna.Block@k12.nd.us

1. COURSE DESCRIPTION:

General Chemistry is a one year physical science lab course based on lecture, experimentation and observation. Chemistry, the Central Science, is focused on the study matter and energy. This lab course stresses the understanding of the basic concepts as well as the descriptive aspects of Chemistry. Application of basic chemical principals will be given to everyday life situations.

Chemistry requires intermediate math skills. As an upper level course, students will be committed to more challenging mathematical problems, more detailed laboratory investigations and greater expectations, in regard to the quality and quantity of work submitted.

2. COURSE OBJECTIVES:

This class is expected to provide students with study skills and knowledge which will help them succeed in college level courses. As such, students will be held to a high standard of achievement.

Develop scientific, technological, and mathematical literacy in all students.

Develop writing skills by using a scientific journal for entries, article reviews, and recording experiments.

Assist students in recognizing the career opportunities in chemistry and related sciences.

Encourage the students to develop a growth mindset. Help them to understand the brain is a muscle which can grow through repeated exercise.

3. SPECIAL COURSE NEEDS OR SUPPLIES:

Calculator – basic mathematics Suggested: TI-30X IIS or equivalent. School calculators may not be removed from the classroom.

4. GRADING:

Homework will be assigned and should be completed as practice. Most assignments will be corrected during class time to allow adequate time for student questions. At the end of each class, a brief quiz will be given. This quiz will contain question from or be similar to the homework.

Tests will be given after each chapter or unit. Students are expected to retain material after the test. Questions may come from any material and chapter already covered in the course. Students will be allowed to retake tests at the teacher's discretion, provided they meet certain criteria (please see Test Retake Guidelines)

Labs and reports are expected to be completed neatly and all information recorded. If not completed properly, students will be required to redo the work.

