

Hettinger High School
COURSE NAME: PHYSICAL SCIENCE
INSTRUCTOR: Miss Block

1. COURSE DESCRIPTION:

Physical science is an introductory course to the sciences of chemistry and physics. Topics included are: the SI system, matter, the structure of the atom, chemical names, formulas, chemical applications, laws of motion, potential and kinetic energy, simple machines, power, and the basics of electricity. The techniques and procedures used by chemists and critical thinking skills are emphasized.

Students are provided the opportunity to understand, appreciate, and to relate the interaction of matter and energy in their physical environment through a variety of classroom experiences. Hands-on laboratory investigations are emphasized. The content of this physical science course has been correlated to the North Dakota State Science Content Standards and Benchmarks.

2. COURSE OBJECTIVES:

Students will explore ideas and hands-on activities that relate to their daily lives through the following objectives.

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

Develop writing skills by using a scientific journal for academic research, article reviews, and experimental records.

Help students experience the richness and excitement of knowing about and understanding the natural world.

Assist students in recognizing the career opportunities in science.

3. SPECIAL COURSE NEEDS OR SUPPLIES:

Book cover, Calculator (recommended for homework TI-30X IIS or equivalent), paper, pencils etc

4. GRADING SCALE:

Grading scale is as set by student handbook. Semester tests will make up 10-15% of the final grade. Material for this test will be similar to that on normal chapter tests.

Students are expected to stay one section ahead of the lecture schedule. Pop quizzes will be given. Vocabulary and daily assignments will also be given for each chapter.

5. EXPECTATION:

- Individuals complete THEIR OWN work
- Students monitor their understanding and advocate for themselves by asking for help.
- Classroom rules are followed
- Students are kind to each other

Science Classroom Rules

1. Respect yourself. Behave in an age appropriate manner. Daily points may be lost if behavior is an issue.
2. Respect others. Listen while others are speaking and treat the property of others with care.
3. Be prepared for class. **Bring all items** you need, complete your homework and keep up with studying. (Pop quizzes are expected.) Students are expected to bring books, notes, homework, notebooks and writing utensils every day. Any homework not in the room when the bell rings is considered late. All late work should be placed in the "Late" box.
4. Homework is given to provide practice. Any given homework assignment may be graded entirely or specific problems may be selected. Homework is to be done individually unless otherwise specified.

Students are welcome to come in for help **before** or after school and during my prep hour (with a pre-signed pass). Students may not interrupt another class for help unless it has been arranged in advance and a pass has been signed. Homework questions should be asked before class begins.

Late assignments will not earn full credit. Refer to school policy.

5. ALL cheating will be handled according to the discipline matrix. In science there is no room for cheating and you should expect a zero if you choose to cheat. Cheating includes but is not limited to: copying homework, "working together" on individual assignments and looking at the papers of others.
6. Tardiness and absences will be handled according to the student handbook. Any student not seated when the bell rings may be considered tardy.
7. Any substitute teacher will have absolute authority. Misbehavior while subs are in the classroom will result in detention and written reports.
8. Safety equipment is NOT optional. Students ignoring safety rules will be issued one warning with 5 point lab deduction. Subsequent violations will result in removal from the lab.
9. Cell phones, iPods and personal iPads are not to be used in the science room. Any student using these devices will forfeit their right to earn extra credit for a period of six weeks. Subsequent violations will result in extended periods of loss. Exceptions may be granted in cases of family emergencies. (What time you are getting picked up from school is NOT an emergency.)