

# Physical Science Course Handout

Physical Science

Hours: G (MWF)

Teacher: Mr. Bickel

2022-23

Email: [dbickel@lhskc.com](mailto:dbickel@lhskc.com)

**Course Description:** Class covers all the main topics in Chemistry and Physics. It covers survey topics in Physics and Chemistry. Methods include: Discussion/Lecture, demonstrations, lab activities, cooperative learning opportunities, and projects.

**Materials:** The textbook is “Physical Science: Concepts in Action with Earth and Space science”. A 3-ring binder with loose-leaf paper or a spiral notebook is needed for organizational purposes.

**Grading:** Grades are determined on a percentage basis. Letter grade cutoffs are every 10% (consult school handbook for questions). Each Quarter grade will be 40% of their final grade. There will also be a final exam that weighs 20% of their grade. Each quarter grade will be a percentage based on accumulated points compared to the maximum possible.

Grading Breakdown for Semester Grades:

Tests	=	40%
Labs	=	25%
Projects/Homework	=	35%

**Methods of Evaluations:** There are many possible methods that will be used to evaluate students. There will be projects, tests/quizzes, weekly homework assignments, and laboratory write-ups. Assignments and lessons are going to be integrated in google classroom. Students should log into the classroom site regularly to get updates and find resources. Many of the assignments will be submitted as digital copies through our class on google classroom.

**Late Work:** It is the responsibility of the student to ensure that all assigned work be turned in completed and on time. The instructor may deduct points to ensure the student is turning in work in a timely manner.

**Cheating/Plagiarism:** These are serious infractions. Lutheran High holds to high character expectations. Do not take or borrow another student, adult or teacher’s work. Seeking someone to help facilitate your understanding is not cheating or plagiarism. All work you hand in needs to be your original work, whether it is a test, homework or research for a project. Infractions will be dealt with as the handbook, instructor and administrators decide. The penalties will be severe and the student risks both failing the assignment or the class. Please turn in your own work. Do the right thing.

**Attendance/Tardiness:** The attendance policy is explained in the student handbook. Tardiness to class will be defined as not in the classroom prepared for chemistry to start. Waiting until the bell rings to go to your locker to get something you needed for class will be considered being unprepared and may result in a tardy for that period. Please communicate if there are any prolonged stretches for absences in order that a plan can be made to keep up with the school work.

**Other important information:**

- Work is to be done neatly. Presentation of homework is also to be organized and neat. The heading of each assignment should include Name, Date, Class Period and assignment title. Lab formats will be presented as we approach each lab.
- **RESPECT.** Please respect your classmates, the instructor, school and personal property, and yourself. Any venture outside respectful behavior risks academic or disciplinary consequences.

**School year at a glance:**

**Semester 1:**

**Semester 2:**

Week 1	Intro to Science	Week 1	Motion
Week 2	Doing Science	Week 2	Motion (cont.)
Week 3	Matter	Week 3	Forces
Week 4	Changes in Matter	Week 4	Newton's Laws
Week 5	Matter and Energy	Week 5	Work and Machines
Week 6	States of Matter	Week 6	Energy
Week 7	Atoms	Week 7	Temperature
Week 8	Atomic Theory	Week 8	<b>Spring Break</b>
Week 9	Periodic Table	Week 9	Heat
Week 10	Elements	Week 10	Waves
Week 11	Compounds	Week 11	Wave Interactions
Week 12	Formulas and Names	Week 12	Sound and light
Week 13	Chemical Reactions	Week 13	Optics
Week 14	Reactions Types	Week 14	Lenses
Week 15	Solutions	Week 15	Electricity
Week 16	Dissolution	Week 16	Review
Week 17	Solubility	Week 17	<b>Finals</b>
Week 18	Review		
Week 19	<b>Finals</b>		

I have read and understand the policies and protocols provided to the student and parent regarding this class on the previous page. I will do my best to foster good discipleship as a student or a parent/guardian to ensure the classroom environment remains positive and productive throughout the course of the year.

_____	_____
<b>Student Name (Print)</b>	<b>Student Signature</b>
_____	_____
<b>Parent/Guardian Name</b>	<b>Parent/Guardian Signature</b>
_____	_____
<b>Parent/Guardian Name (Optional)</b>	<b>Parent/Guardian Signature (Optional)</b>

**Optional-Parent/Guardian Contact Information (Preferred contact information):**

**Name:** \_\_\_\_\_

**Relation:** \_\_\_\_\_

**Phone Number(s):** \_\_\_\_\_

**Email(s):** \_\_\_\_\_

  

**Name:** \_\_\_\_\_

**Relation:** \_\_\_\_\_

**Phone Number(s):** \_\_\_\_\_

**Email(s):** \_\_\_\_\_