

# 2014-2015

## COURSE SYLLABUS

### PHYSICAL SCIENCE

Instructor: Thompson, M. J.

Contact: [mthompson@apps.lcchs.edu](mailto:mthompson@apps.lcchs.edu)

Text: *Conceptual Physical Science*

Location: ST 3

#### Course Description:

This course serves as an introduction to the physical sciences (physics, chemistry, geology, and astronomy). It also helps introduce students to the scientific method and the process of critical thinking.

#### Course Schedule (subject to alterations as required):

1<sup>st</sup> Quarter: Chapters 1-8; Mechanics

2<sup>nd</sup> Quarter: Chapters 9-16; Heat, electricity and waves

3<sup>rd</sup> Quarter: Chapters 17-29; Chemistry

4<sup>th</sup> Quarter: Chapters 30-40; Geology and astronomy

#### Grading:

Total points accumulated over a grading period will determine grades. The distribution of points will be:

- Exams: 50%, Exams will be given at the end of each chapter
- Quizzes: 20%, Quizzes will be given weekly, often on Friday
- Lab: 20%, Experimentation will be done to reinforce material learned in lecture
- Homework: 10%, Homework will be assigned at the beginning of each chapter and collected at random times.

#### Required Materials:

1. Pen/Pencil, whichever you choose
2. Notebook, one separate for this course is strongly recommended
3. LCC iPad, you will be using a number of apps to enhance your learning
4. A notebook of 0.25" graph paper is strongly recommended for lab/experimentation.

#### Instructor Expectations/Philosophies/Etc.

- This course includes potentially hazardous labs and/or experimentations. Lab safety will be addressed in a separate document/presentation. Violation of laboratory safety procedures will result in immediate removal from the class and a zero on all related assignments as well as further disciplinary action!
- I do not give grades, you earn them
- Homework is not for showing me what you know. Homework is for you to practice. Quizzes and exams show me what you know.
- My classroom is for learning; becoming all you can be. A step along the path to the greatness God has planned for you. It is not a place to sit and do nothing! You may not simply convert oxygen into carbon dioxide!
- You have a list of Lima Central Catholic rules, I expect that you understand them.
- My classroom has one standing rule: RESPECT. For me, for your peers, and most importantly FOR YOURSELF.