

## PHYSICAL SCIENCE

### SACRED HEART HIGH SCHOOL

MRS. KIEL

This course is a study of matter and energy with emphasis on everyday applications of physical science. We will focus on energy and motion and the nature, diversity, and interactions of matter. The textbook is aligned with *Benchmarks for Science Literacy*, a publication by the American Association for the Advancement of Science that describes how students should progress toward science literacy. In addition, math skills and problem solving activities are correlated to the NCTM Standards for Grades 9-12.

The first half of the year will be an introduction to basic physics. The second half of the year will be an introduction to basic chemistry. By structuring the class in this manner we hope to prepare the students for physics and chemistry when they are upper classmen.

### ITEMS NEEDED

1. Notebook (spiral or “marble” copybook, your choice)
2. Pen/pencil
3. Physical Science textbook and workbook
4. Folder or loose-leaf binder to hold handouts and your workbook

Students are to bring the above items to class **EVERY DAY**. Permission will not be granted to leave the room to obtain these items.

### TESTS, QUIZZES, HOMEWORK, CLASSWORK

1. Tests will be given at the end of each chapter.
2. Quizzes will be given periodically throughout the chapters.
3. Homework is important; it will be given daily. It is a review and reinforcement of the day’s lesson. It also helps students by studying daily so that it is not necessary to “cram” the night before a test.
4. Students are expected to take notes, complete work assigned in class, and participate in the lesson.

### GRADING SYSTEM

1. Tests are worth 50%
2. Quizzes are worth 25%
3. Homework is worth 25%. Late homework receives no credit, except for absences. It is **THE STUDENT’S** responsibility to obtain and hand in homework after absences.

### CLASS RULES

1. Be on time for class.
2. Please be polite. Do not talk while others – students or teacher are speaking.
3. NO cell phones or texting permitted.
4. Please raise your hand; do not call out.
5. Please sit in your assigned seat.
6. Please do not disturb the class.
7. No profanity; no gum; no candy or other food; no drinks in the classroom.

**SCIENCE FAIR.** The SHHS Science Fair will be held on Wednesday, February 8, 2012 in the school gym. You will be given guidelines, including a schedule of the tasks that need to be completed. **THE SCIENCE FAIR IS MANDATORY FOR ALL STUDENTS. IT COUNTS AS A TEST GRADE THAT IS A COMBINATION OF THE PROJECT AND THE ACCOMPANYING RESEARCH PAPER.**

