

SACRED HEART H.S.
SCIENCE DEPARTMENT

COURSE: HONORS BIOLOGY
INSTRUCTOR: MR. SCHELDER

CLASSROOM GUIDELINES

1. Students must be to class on time and in their assigned seats and may not leave their seats without permission.
2. Students are only allowed in the Bio-lab under teacher supervision.
3. Students must come to class prepared. (notebooks, text, pen, etc.)
4. Food or beverages are not permitted in the classroom.
5. Homework is not to be done in the classroom, unless the teacher allows you to begin it, at or near the end of the period.
6. Any missed tests or quizzes must be made up the day the student returns from an absence, unless he/she has missed two or more consecutive days. The student should consult with the teacher as to the make-up of the work. Test or quizzes are not made up during class.
7. Missed lab work can be made up after school. The teacher may assign a 500 word paper or some other project in place of the missed lab work.
8. While the results of the lab partners should be the same, the interpretation of the results (conclusion) should be expressed on an individual basis. This does not mean that the results can not be discussed between lab partners or with the teacher.
9. Touching anything in the lab without authorization will be considered destruction of school property.
10. Students are encouraged to participate in class when appropriate.
11. Behavior during class is to be appropriate and respectful.
12. Text books are to be covered at all times.
13. Lab reports that are past due will receive a deduction of 5% per day. One day late homework assignments receive only 50% credit and 0 credit after that.

EVALUATION SUMMARY

* Homework average equals 10% of grade Quiz average equals one test grade
Lab average equals one test grade Test average is approximately 50% of the grade

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I have read and understand the classroom guidelines of this course.

Parent/Guardian signature: _____ Date: _____

Student signature: _____ Date: _____

SYLLABUS: BIOLOGY

MARKING PERIOD 1

CHAPTER ;

1. WHAT IS BIOLOGY
2. PRINCIPLES OF ECOLOGY
6. THE CHEMISTRY OF LIFE

MARKING PERIOD 2

CHAPTER:

7. A VIEW OF THE CELL
8. CELLULAR TRANSPORT AND THE CELL CYCLE
9. ENERGY IN A CELL

MARKING PERIOD 3

CHAPTER

10. MENDEL AND MEIOSIS
11. DNA AND GENES
12. PATTERNS OF HEREDITY AND HUMAN GENETICS

MARKING PERIOD 4

CHAPTER

14. THE HISTORY OF LIFE (SEC.1 ONLY)
17. ORGANIZING LIFE'S DIVERSITY (SEC. 1 ONLY)
18. VIRUSES AND BACTERIA

VARIOUS LABORATORY ACTIVITIES WILL BE DONE THROUGHOUT THE SCHOOL YEAR AND ARE PERTINANT TO THE CONCEPTS BEING STUDIED. MANY OF THESE ACTIVITIES ARE AS FOLLOWS:

A PILLBUG'S RESPONSE TIME TO A STIMULUS
IDENTIFICATION OF MICOORGANISMS IN POND WATER
PLASMOLYSIS OF PLANT CELLS
IDENTIFICATION OF PHASES IN THE CELL CYCLE
PATTERNS OF HUMAN HEREDITY
THE BUILDING OF A DNA MOLECULE
DISSECTIONS OF AN EARTHWORM, CLAM, STARFISH, AND FROG
COMPARATIVE EXTERNAL ANATOMY OF A CRAYFISH AND GRASSHOPPER

MANY FILMS WILL BE VIEWED BY THE STUDENTS THAT ARE RELATIVE TO THE CONCEPTS THEY WILL BE LEARNING. OTHERS WILL COVER MATERIAL THAT WE CAN NOT GET TO IN THE TEXT.

VARIOUS OBSERVATIONS AND EXPERIMENTATION WITH THE VENUS FLYTRAP AND OTHER INSECTIVOROUS PLANTS