

**Course Title****ERHS**

Biology A/B (P)

**Prerequisites:** Successful completion of either General Science or Introductory Physical Science or AG 1 and AG 2 with a grade of C or better.

**Description of Target Group**

This two-semester course is recommended for students in grades 10 through 12, with average or above average skills in reading comprehension and writing.

**Purpose**

To encourage a scientific viewpoint as an approach to life and the study of biology, as well as to encourage self-awareness in the student as a responsible and contributing part of the environment and to create an awareness of human dependence on immutable ecological principles for survival.

**Standards of Expected Student Achievement**

Upon completion of this course, students will be able to successfully demonstrate the following skills:

1. Discuss the ecological relationships of plants and animals.
2. Discuss the concepts of metabolism, biochemistry, photosynthesis, and energy cycles.
3. Discuss the concepts of cell biology and cell division.
4. Discuss the concepts of reproduction and development.
5. Discuss the concepts of genetics, heredity, and how we adapt to our changing environment.
6. Discuss taxonomy and classification.
7. Discuss basic relationships to disease and how they are spread.

**Instructional Materials**

Text and Supplementary Materials

Refer to: Secondary Adopted Texts and Approved Supplementary Books Used in the Santa Maria Joint Union High School District

**Activities**

Lecture, discussion, tapes, laser discs, computer programs, laboratory exercises.

