

## **Class Outline And Syllabus For Introduction to Human Biology**

Chapter 1—Initially a review of academic Biology but with additional information pertaining to the organization of the Human body and medically related fields. Includes anatomical terms for body regions, positions and directionality. Organ systems are reviewed.

Chapters 3 and 4—Cells and tissues of the human body...their functions, placement and usage in the body. A project dealing with the autopsy of two computer interactive web-quests are assigned.

Chapter 6—The Skeletal System deals with the formation and types of bones and their arrangement in the body. Bones of the skeletal will be memorized. Diseases and types of injuries to the bones are also discussed.

Chapter 7—The Muscular System deals with the only type of cell with movement and the arrangement of the superficial muscles on the body. Many of the muscles are memorized and discussed with reference to athletic injuries. The knee joint and the ankle joint are discussed in detail.

Chapter 8—The Nervous system deals with the basic organization and function of the system, especially with the central nervous system. A special written project of a disorder of the CNS may be assigned.

Chapter 11 and 12—Blood and the cardiovascular system deals with the only liquid tissue and the organs and blood vessels associated with the system. A special report of a cardiovascular disorder may be assigned. Major arteries and veins will be memorized and the path of blood through the heart is also learned.

Chapter 16—The digestive system is discussed with emphasis on the fetal pig digestive system and research into the differences between the human and pig digestive system.

\*\*\*(This chapter will be in conjunction with the muscular system during the dissection of the fetal pig.)

## COURSE REQUIREMENTS

**CLASS:** Introduction to Human Biology

**TEACHER:** Mrs. Henry

**TEXT:** *Martini and Bartholomew: Essentials of Anatomy and Physiology*

1. Homework: Homework is due at the BEGINNING of class. It will be graded on the attempt made to complete it. Some homework will be collected and each item graded on a total point basis. No credit is given for work turned in late. This includes labeling diagrams, study guides and textbook questions.
2. Classroom Activities and Labs: Group activities must have equal participation of all group members. Each partner will turn in their own lab report.
3. Projects: Projects are assigned at the beginning of the unit and have extended time for completion. Most projects are done alone.
4. Quizzes: Quizzes are given at the end of a topic and may or may not be announced.
5. Tests: Tests are given at the end of a unit and are announced at least two days in advance.
6. Handouts are not kept in a notebook. You will need to utilize these worksheets and handouts for your review to the test.