

# **Biology 2003-2004**

Welcome to Biology. Biology is the study of living things. To understand living things we must explore the internal structure, the processes that occur within them and the environment they inhabit.

This year's study of Biology will include the following:

## **I. Introduction**

- Characteristics of Life
- Scientific Method
- Microscopy
- Measurement (metric system)
- Chemistry- Matter and Energy

## **II. Biochemistry**

- Water
- Carbohydrates
- Proteins
- Lipids
- *Issues in Nutrition Project*

## **III. The Cell**

- *Cell Project*

## **IV. Cell Processes**

- Homeostasis and Transport
- Photosynthesis
- Cellular Respiration
- Cell Reproduction
- Protein Synthesis
- *Journey to the Center of the Cell Story*

## **V. Genetics**

## **VI. Living Organisms**

- Classification
- Ecology
- Bacteria
- Plants
- Animals
- *Dissection-Earthworm, Frog, Fetal Pig*
- *Aquaterria Report*

