

## **Human Biology 11 Course Outcomes**

### **General Outcomes:**

- Identify and describe a career related to human systems, and report findings to the class.
- Using a variety of research tools, collect information on a current topic of interest related to human biology.
- Identify and describe examples of activities that demonstrate awareness of healthy lifestyles.
- Explore ethical issues related to human biology.

### **Introduction to Human Biology:**

- Identify the characteristics of living things.
- Examine cells and investigate the diversity of cells.
- Discuss the levels of organization as related to humans.

### **Skin:**

- Identify and make the connections among the structures and the functions of the skin using a variety of representations.
- Individually investigate their skin patterns and compare skin patterns as a group.
- Explore and discuss the skin as a sensory organ.
- Analyze various skin care practices relating these to their personal health.
- Investigate and evaluate the claims of various skin and hair products.
- Investigate and communicate, in a variety of ways, the causes, symptoms, and treatment of various skin disorders.

### **Skeletal and Muscular Systems:**

- Identify the bones, joints, and muscles of the systems and describe the functions of each, referring to support and movement.
- Investigate and communicate, in a variety of ways, the causes, symptoms and treatment of various skeletal and muscular disorders.

### **Circulatory System:**

- Identify and make the connections among the structures and functions of the circulatory system using a variety of representations.
- Investigate and communicate, in a variety of ways, the causes, symptoms and treatment of various blood and circulatory disorders and their impact on healthy living.

### **Digestive System:**

- Explore the relationship among a balanced diet, caloric intake and health, utilizing knowledge of the function and sources of the six essential nutrients.
- Examine the influence of food labels, marketing techniques, and advertising on consumers and public health.
- Identify and make the connections among the structures and the functions of the digestive system.
- Explore, in a variety of ways, the causes, symptoms and treatment of eating and digestive disorders.

### **Optional Units:**

- Identify and make connections between structure and functions for a minimum of two of the following topics:
  - Nervous/sensory system
  - Reproductive system
  - Respiratory system
  - Immune system
  - Human behavior
  - Human genetics
- In relation to the chosen topics, explore and communicate the effects of disorders on homeostasis.