

## Mini-Project #3

### The Integumentary System & Nervous System



**Title:** - The Integumentary & Nervous System

**Content Area/Topic:** -AP Biology; Anatomy & Physiology Honors

**Grade Level(s):** 10 - 12

**General Objective(s):** -

1. List, label, and describe the functions of the major layers of the epidermis and dermis.
2. Name and describe the tissue types composing the epidermis and dermis.
3. Describe the major branches of the nervous system.
4. Illustrate the relationship between the integumentary and nervous systems.

**Description:** - This activity requires students to create a labeled model of the integumentary system (skin) and a 3D map of the human nervous system. Students should be able to illustrate the connection between the nerves of the spinal cord and the integumentary system (skin).

**Instruction:** -Students are to thoroughly study and investigate the integumentary and nervous systems. Students are to then create a 3D labeled diagram of the integumentary system **AND** an illustration of the network of nerves that radiate from the brain, and spinal cord, to all areas of the body. Students should provide label and provide information on what each branch, of the nerves, radiating out of the spinal cord are responsible for.

**Assessment:** -Models will be assessed with a teacher-developed rubric based on quality of research, collaboration and quality of their structures. Students will also be assessed on their knowledge of the body systems.