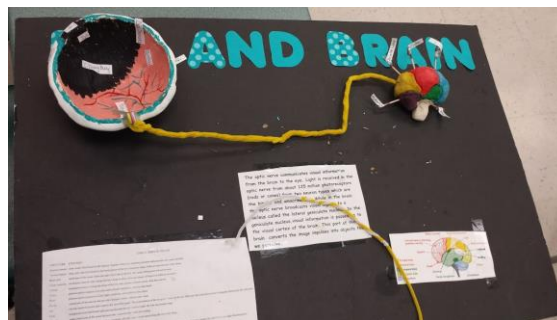
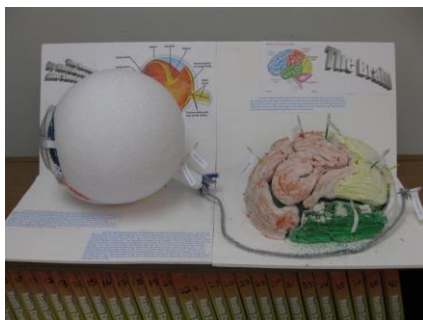


Mini-Project #4

The Brain, the Eye and the Ear



Title: - The Eye & The Brain

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

Grade Level(s): - 10 - 12

General Objective(s): -

1. Label and describe the different areas of the eye, the ear and the brain.
2. Describe the relationship between the eye and the brain.
3. Describe the relationship between the ear and the brain.
4. Illustrate the function of the different regions of the brain.

Description: - This activity requires students to create a labeled model of the eye, and the ear, and indicate how they work. Additionally, students are to create a labeled model of the brain.

Instruction: -Students are to thoroughly study and investigate the structure of the eye and the brain. Students are to then create a **3D labeled** eye that is connected to a 3D brain via the optic nerve. Students are to also create a **3D labeled** ear. Additionally, students are to label the different parts (lobes/glands/areas) of the brain and provide functions of those areas.

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 brain structure, the responsibilities of the different parts of the brain, how an image is produced and moved from the eye to the brain and how sound is received by the ear and processed in the brain.