**Anatomy in Clay Experiences**

\*Designed for 90min period. Can be adjusted based on time constraints.

**Title:** Exploring the brain

**Purpose:** Students receive an introductory experience into the nervous system and brain anatomy through hands-on learning.

**Objectives:**

* Students will learn and build the lobes and deep structures of the brain.
* Students will explore how the brain receives and processes information through interactive learning and sensory activities.
* Students learn how disease or trauma can impact the brain.
* Students will be introduced to careers related to the brain.

**Title:** Exploring the heart

**Purpose:** Students receive an introductory experience into the cardiovascular system and heart anatomy through hands-on learning.

**Objectives:**

* Students will learn anatomy directional terms.
* Students will build the chambers of the heart, its valves, and major blood vessels.
* Students will track the route blood travels in the body.
* Students will explore the difference between veins and arteries and how they can be affected by heart disease.
* Students will be introduced to careers related to the heart.

**Title:** Exploring Waste Systems

**Purpose:** Students receive an introductory experience into the urinary and digestive systems through hands-on learning.

**Objectives:**

* Students will build and identify the organs of the urinary and digestive systems
* Students will learn how the body receives nutrients through the digestive processes.
* Students will learn how disease or trauma can impact urinary and digestive systems.
* Students will be introduced to careers related to the urinary and digestive systems.

**Title:** Exploring Support Systems

**Purpose:** Students receive an introductory experience into the skeletal and muscular system through hands-on learning.

**Objectives:**

* Students will identify the types of bones and joints in the body.
* Students will learn common rules for muscle movement and placement.
* Students will build samples muscles applying the common rules.
* Students will learn how disease or trauma can impact bones and muscle.
* Students will be introduced to careers related to the skeletal and muscular systems.