

PROFESSIONAL DEVELOPMENT, LEVEL 1

DAY 1

Introduction to the System

- Why the ANATOMY IN CLAY® Learning System works
- Brain research and pedagogy
- Introduction to the MANIKEN® model, 5 MYOLOGIK® regions, the living skeleton
- A good foundation

Introduction to the Body

- Body regions, medical terminology, directional terms
- Cavities, Planes

Identification of bones – names and types

- Bone markings – process, fossa etc.
- Classification of bones
- Types of joints – ball and socket, hinge, etc.
- Assessments

Muscular System

- Types of Muscles and Functions – skeletal, cardiac and smooth
- General Muscle Principles – name and discuss 12 main muscle rules
- Naming Muscles
- Building multiple types of muscles in clay:
 1. Mark origin and insertion
 2. Form clay
 3. Attach to model
 4. Separate tendons from muscle
 5. Add fiber direction
 6. Embody muscle on self
- Assessments

Brain and Nervous System

- Build the brain, spinal cord, and brachial plexus in clay
- Identify major parts of the brain and nervous system and their functions
- Assessments

Digestive System

- Label and discuss the structures and functions of the digestive organs
- Build the digestive system in clay and place on the model
- Discuss function of the accessory organs

- Good fat vs. bad fat, good cholesterol vs. bad cholesterol
- Assessments

Urinary System

- Build urinary system – function
- Build kidney – related disease
- Assessments

End of Day 1

DAY 2

Cardiovascular System

- 1 minute Heart – identify all 18 anatomical structures
- Heart Sounds and EKG
- Circulation – pulmonary, systemic and coronary
- Build a clay heart, including great vessels
- Heart Disease and Coronary Artery Disease
- Assessments

More Muscles

- Layering of muscles – deep to superficial, integrating with vessels

Lymphatic System

- Build Lymphatic System – nodes, vessels
- Build Breast tissue – Breast Cancer Awareness
- Functions of the lymphatic system – problems and consequences
- Assessments

More Muscles

- Superficial muscles – function, strengthening
- Build a healthy core

Questions and Discussions

- Participant Summaries
- Clean-up and Care of Lab Equipment

End of Day 2