



In this project, model human anatomy with colored clay to show muscles, bones, or organs in 3D, demonstrating structure, function, and spatial understanding.

Deadline

Sign up by
July 30, 2025



Out-of-town entries

Mail to Idaho HOSA by
Aug. 15, 2025

No late entries accepted.

All others

Drop off at fairgrounds
Aug. 23, 8–10:30 a.m.
to get your fair entry ticket



Requirements

- ☐ Use **accurate color** coding for each anatomical structure
- ☐ Label at least **10 key structures**
- ☐ Model must be **3D and anatomically correct**
- ☐ All structures must be **proportionate** and placed accurately
- ☐ Clay must be **applied neatly and intentionally**
- ☐ Include a **written explanation** of the structures and functions

Materials needed

- Clay (various colors)
- Clay tools (sculpting tools, toothpicks, labels, etc.)
- Anatomy reference guides or textbook

Options

Choose one of the following focus areas:

1. Muscular System (e.g., arm, leg, torso)
2. Major Organs and Systems (digestive, respiratory, etc.)
3. Skeletal + Muscular Hybrid Build

POINTS



CRITERIA	EXCELLENT	GOOD	FAIR	POOR
Anatomical accuracy	Structures are placed correctly with clear, accurate representation of form and function.	Mostly correct placement and shape, with minor errors.	Some parts inaccurately placed or shaped.	Major inaccuracies; lacks understanding of anatomy.
Detail and completeness	Includes all required muscles/organs with detailed features and clear separation.	Most parts included, with moderate detail.	Some parts missing or poorly defined.	Incomplete or lacking in detail.
Proportion and scale	Muscles/organs are well-proportioned and match body size appropriately.	Mostly proportional, with minor inconsistencies.	Noticeably disproportionate in places.	Poorly scaled; unrealistic sizes.
Neatness and craftsmanship	Clay is clean, smooth, and neatly applied; excellent control of medium.	Good craftsmanship with minor rough areas.	Some rough or sloppy application.	Messy, unfinished, or rushed work.
Color use and identification	Consistent, appropriate colors used for muscle groups, organs, etc.; well-labeled if required.	Mostly appropriate color coding and labeling.	Inconsistent or unclear color coding/labels.	Colors confusing or not labeled at all.
Effort and time management	Clearly shows time, thought, and care went into building and refining the project.	Good effort; mostly on-task.	Some signs of minimal effort or off-task behavior.	Minimal effort or rushed at the last minute.
Understanding and explanation	Student can clearly explain the structure and function of each part modeled.	Can explain most parts with reasonable accuracy.	Struggles to explain functions or structures.	Little to no understanding demonstrated.



Judging criteria

CATEGORY	POINTS
Anatomical accuracy	10
Detail and completeness	10
Proportion and scale	10
Neatness and craftsmanship	10
Color Use and identification	10
Effort and time management	10
Understanding and explanation	10
Total	70



Prizes and recognition

- Potential placement at the Western Idaho State Fair