



Unit 4 Embryological Similarities

Grade 8
Science

Unit Length and Description:

6 Instructional Weeks

Students will continue to construct explanations for similarities and differences among modern and fossil organisms, and compare patterns of similarities in the embryological development across multiple species to identify relationships.

Science Standards:

- 8-MS-LS4-2** Apply scientific ideas to construct an explanation for the anatomical similarities and differences among modern organisms and between modern and fossil organisms to infer evolutionary relationships.
- 8-MS-LS4-3** Analyze displays of pictorial data to compare patterns of similarities in the embryological development across multiple species to identify relationships not evident in the fully formed anatomy.

Enduring Understandings- Unit Anchor Phenomenon:

Chickens and cows have embryological similarities; yet, they are two different organisms.

Essential Questions- Reflective Summaries:

- Analyze displays of pictorial data to compare patterns of similarities in the embryological development of cows and chickens to identify relationships not evident in the fully formed anatomy.
- Construct an explanation for the embryological similarities and differences among organisms to infer evolutionary relationships.