

Lesson Plan

Osteology

Class Duration: 1 hour
hour

Tour Duration: 1

Goals: Students contrast and compare skeletal structures of various animals. Focus on skull structure, tooth shape, adaptations for carnivores, herbivores omnivores and cats in detail.

Supplies:

- Mammal dental formula sheets
- Skulls

Education:

- _____ Introduce niches of animals with respect to food (herbivore/carnivore/omnivore)
- _____ Define osteology
- _____ Discuss various teeth types and their function
- _____ Compare the length of human canines to other animals
- _____ Discuss special teeth and skull adaptations necessary for diet
- _____ View and discuss different skulls for adaptations
- _____ Discuss dental formulas and have students do a couple in groups
- _____ Take tour of on-site cats; observe and discuss their skull shapes & teeth

SCIENCE STANDARDS: 1.2d, 2.4b, 3.5c, 6.5a, 6.5b

Common Core: K.CC, 2.OA, L.2.3, W.2.8, L.2.4, SL.2.1, SL.2.3, SL.2.2,

NGSS STANDARDS:

3.MD.B.4, 4-LS1-1, RI 3.7, RI 4.7, RI 5.7, WH ST.6-8.9, 6.RP.A.1, 6.SP.B.5,