

Hominid Skull STEM Kit



hhmi

Howard Hughes
Medical Institute

By measuring different parameters, students see similarities and differences between seven different skull models: *Proconsul africanus*, *Pan troglodytes*, *Australopithecus africanus*, *Homo erectus*, *Homo sapiens neanderthalensis*, *Cro-Magnon*, and *Homo sapiens*.

Big Concept: evolution of species

Scientific Inquiry Skills:

- Observation skills
- Measurement
- Deductive reasoning
- Use of science notebook

Grade Levels:

9th - 12th grades

Number of Skulls per Set: 7

Student Group Size: 2

Time Required: 90-120 minutes

Web page:

<https://www.cns-eoc.colostate.edu/stem-kits/hominid-skull-set/>

Funding: Howard Hughes Medical Institute

Faculty Collaborator: Dr. Ann Magennis

These skulls are used for teacher workshops and are available through the EOC Lending Library (local only - no shipping).



College of Natural Sciences
Education & Outreach Center



Colorado
State
University

NS Education & Outreach Center Mission Statement

The Natural Sciences Education & Outreach Center is an incubator for innovation in STEM education. We serve both CSU and 4th-12th grade students and faculty through a variety of programs. Many of our programs focus on authentic scientific research experiences that aim to promote enthusiasm for the STEM disciplines, especially for students traditionally underrepresented in these fields. Particular emphasis is on finding new ways to promote scientific creativity and innovation, attributes essential for global challenges in the 21st century.

Learn more:

<https://www.cns-eoc.colostate.edu/>

STEM Fridays

STEM Fridays are facilitated by CSU undergraduate students studying to become science teachers, mentored by NSEOC staff. The science content has been developed at the NSEOC to give students a mini scientific research experience in a safe university laboratory setting. All content is tied to Colorado Science Education Standards and is compatible with the Next Generation Science Standards.

Learn more:

<https://www.cns-eoc.colostate.edu/stem-friday/>

STEM Kit Lending Library

The NSEOC has a variety of STEM materials and kits available for week-long loans by classroom and informal educators. Please visit the following link to see which kits are currently available.

Learn more:

<https://www.cns-eoc.colostate.edu/stem-kits/>

Discovery Begins Here