

Investigating Morphology Of Referenced Primates through History (I-MORPH)

July 19 - July 23, 2021
Deadline to apply: April 18, 2021

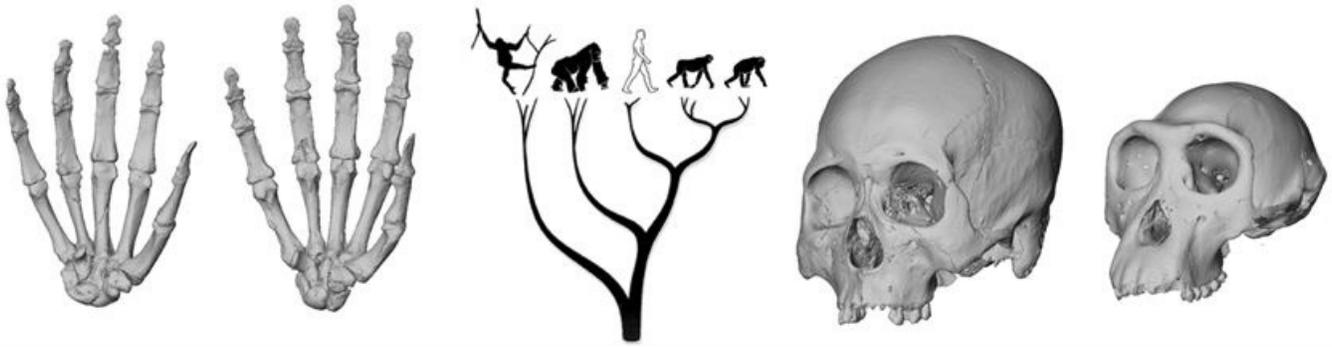
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Anthropologists can infer a lot about the behavior of animals and humans by investigating their bones and fossils and applying their understanding of science and technology. Teachers who attend this workshop will be immersed in several projects in which they investigate relationships between anatomical structures and their functions. In collaboration with Penn State faculty and graduate students in anthropology and education, teachers will learn about research methodologies they can use in their classes. All teachers are welcome to apply, but the content will be most applicable for anatomy and physiology, biology, and physics.

Participant Benefits:

- A \$300 stipend for participating during the summer
- Act 48 credit is available upon request





Academic Standards

Next Generation Science Standards:

- **HS-LS4-1** Communicate scientific information that common ancestry and biological evolution are supported by multiple lines of empirical evidence.
- **HS-LS4-3** Apply concepts of statistics and probability to support explanations that organisms with advantageous heritable traits tend to increase in proportion to organisms lacking this trait.
- **HS-LS4-4** Construct an explanation based on evidence for how natural selection leads to adaptation of populations.

NGSS Science Practices:

- Asking Questions
- Analyzing and Interpreting Data
- Using Mathematics and Computational Thinking
- Constructing Explanations

PA Science and Technology Standards:

- **3.1.7.C3.** Identify evidence drawn from geology, fossils, and comparative anatomy that provides the basis for the theory of evolution.
- **3.4.10.C3.** Interpret data from fossil records, anatomy and physiology, and DNA studies relevant to the theory of evolution. .
- **3.1.12.A5.** Analyze how structure is related to function at all levels of biological organization from molecules to organisms.