

WHY STUDY ARCHAEOLOGY & MATERIAL CULTURE?

Archaeology is a science—the scientific study of the human past through material remains—but archaeology is also the art of telling stories about silent remains, not just how they have meaning but also how they have been used and misused in contemporary debates. Essentially, archaeology addresses our unspoken cultural heritage—the stories that are not widely told, deciphering what happened in the past through the sites, objects, and other things humans leave behind. Interdisciplinary by nature, it involves both the practical work of the laborer excavating trenches and the intellectual work of the detective piecing together clues. It also relies upon a number of other disciplines (ranging from Art to Zoology) and relies upon complex methodologies for analyzing and interpreting data.

ARCHAEOLOGY BELONGS IN STEM as determined by the National Science Foundation
the following disciplines contribute to archaeology – ask us, “How?”

CHEMISTRY & PHYSICS

- Radiometric Dating
- Archaeomagnetometry
- ¹⁴C Analysis
- Stable Isotope Analysis
- Neutron Activation Analysis

EARTH SCIENCE

- Geology
- Petrography
 - X-Ray Fluorescence (XRF)*
 - Optical Emission Spectroscopy (ICP-OES)*
- Stratigraphy
- Soil Science

BIOLOGICAL SCIENCE

- Paleo-Botany
- Paleo-Osteology
- Paleo-Zoology
- Palynology
- DNA Analysis

SOCIAL SCIENCES

- Anthropology
- Sociology

CLIMATE SCIENCE

- Paleoclimatology
- Dendrochronology
- Ice Core Analysis

INFORMATION TECHNOLOGY

- Database Management
- Statistical Analysis
- Computer Simulation
- Image Processing
- 3-D Scanning

MAPPING

- Global Positioning Systems (GPS)
- Light Detection and Ranging (LiDAR)
- Satellite Imagery

VIEWING & IMAGING

- Optical Microscopy
- Scanning Electron Microscopy (SEM)

REMOTE SENSING

- Magnetometry
- Ground-Penetrating Radar
- Electrical Resistivity

BUT ARCHAEOLOGY CAN CONVERT STEM INTO STEAM because we embrace the Arts
the following disciplines contribute to archaeology – ask us, “How?”

SOCIAL SCIENCES

- History
- Folklore Studies

FINE ARTS

- Ceramic
- Painting
- History of Art

HUMANITIES

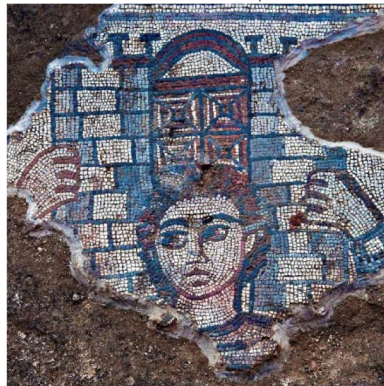
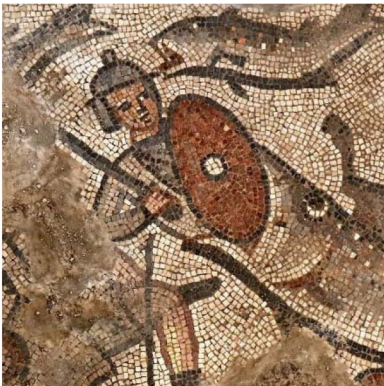
- Greco-Roman Studies
 - Reception Studies*
- Near Eastern Studies
- Egyptology
- English
- World Languages



ASOR Punic Project, Harvard Semitic Museum



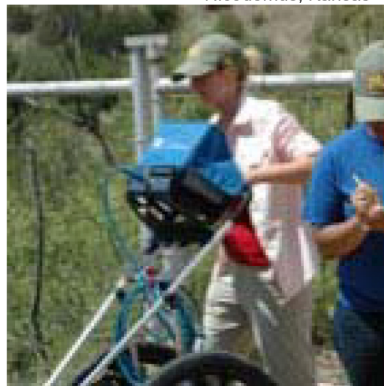
Kunta Kinteh Island, The Gambia



Tel Huqoq, Israel



Nicodemus, Kansas



Pine Springs Camp, New Mexico (Buffalo Soldiers)

LABORATORY & FIELDWORK OPPORTUNITIES

NORTHERN AFRICA

ASOR Punic Project Excavations, Tunisia
Bir Messaouda Excavations, Tunisia

EGYPT & THE SUDAN

Amheida (Dakhleh Oasis), Egypt
Meroe Archival Project (MAP), Sudan

MIDDLE EAST

Tel Huqoq, Israel

WESTERN AFRICA

Kunta Kinteh Island (James Island), The Gambia

SOUTHERN AFRICA

Fort Willshire, Eastern Cape, South Africa

NORTH AMERICA

Nicodemus, KS
Best Farm, MD (Monocacy National Battlefield)
Pine Springs Camp, NM (Buffalo Soldiers)

CENTRAL AMERICA

Maax Na, Belize

LOCAL AND NATIONAL AFFILIATIONS

American Research Center in Egypt (ARCE)
American Schools of Oriental Research (ASOR)
Archaeological Institute of America (AIA)
Archaeology in the Community (AIC)
Harvard University
Center for Hellenic Studies (CHS)
Dumbarton Oaks Research Library and Collection (DOak)
Harvard Art Museums
Department of Asian and Mediterranean Art
Harvard Museums of Science & Culture (HMSC)
Harvard Semitic Museum

George Washington's Mount Vernon

The George Washington University

Capitol Archaeological Institute (CAI)
Museum Studies Program

Historic Preservation Office, District of Columbia

U.S. National Parks Service (NPS)

Archeology Program
Heritage Documentation Program

National Geographic Society (NGS)

The Smithsonian Institution

Freer|Sackler Gallery (F|S)
Museum of African-American History & Culture (NMAAHC)
Museum of African Art (NMAA)
Museum of American History (NMAH)
Museum of the American Indian (NMAI)
Museum of Natural History (NMNH)

Society for Historical Archaeology (SHA)

Society of Black Archaeologists

Washington Ancient Mediterranean Studies (WAMS)

Washington Association of Professional
Anthropologists (WAPA)