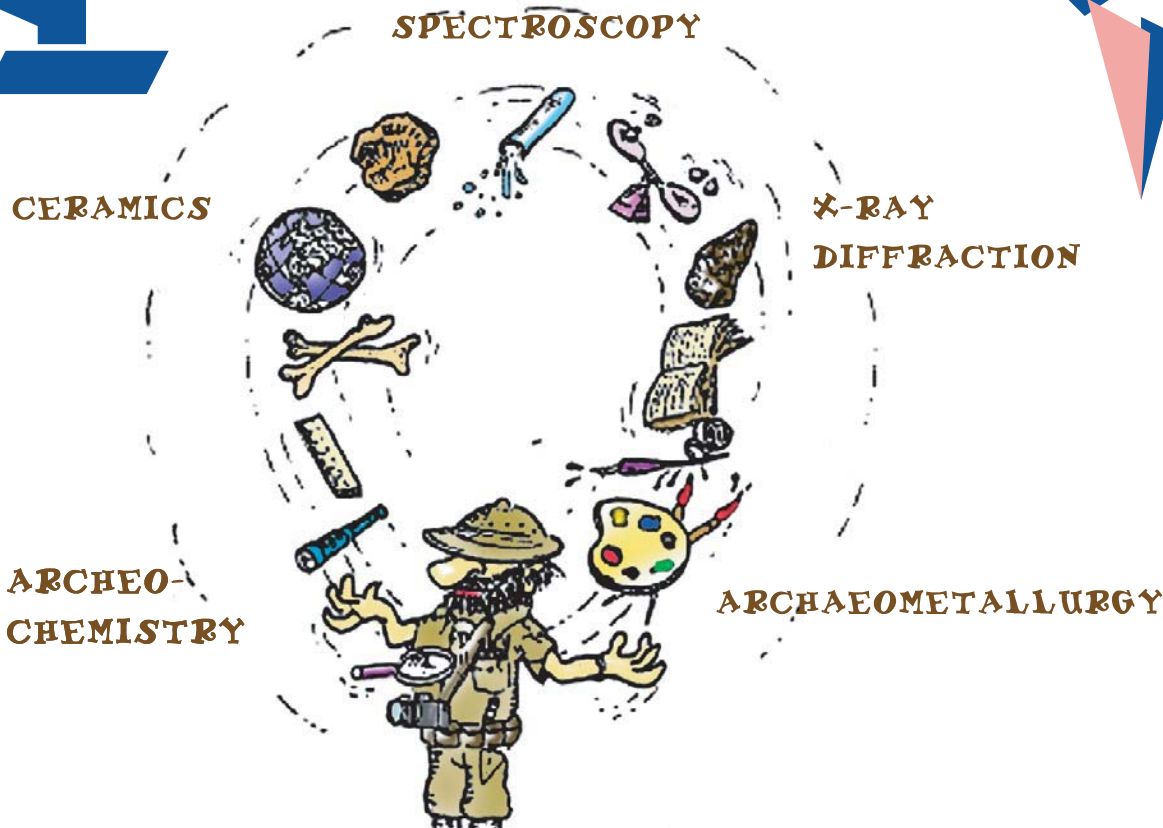
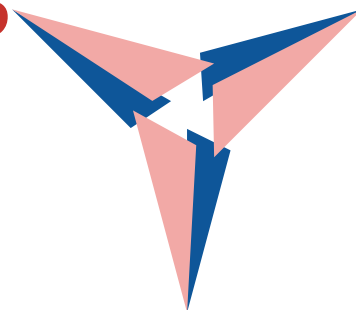


2nd Workshop on Science in Archaeology

Wednesday, March 9, 2005



This workshop will introduce teachers to the materials aspect of archaeology and make them familiar with various types of materials encountered in this field and their analysis. Lectures in archaeometallurgy, archeochemistry and ancient tools will be followed by a tour of the Museum's Applied Science Center for Archaeology (MASCA). Following lunch at the Laboratory for Research on the Structure of Matter (LRSM), analysis of these materials using such techniques as scanning electron microscopy, spectroscopy, x-ray diffraction, mechanical testing, and optical microscopy, will be demonstrated in three separate experiments.



For further information contact:
Andrew McGhie at 215-898-6461 or mcghie@lrsm.upenn.edu

This workshop is **FREE** and includes lunch, all breaks, and workshop materials.
 Enrollment is limited to 30 participants (preregistration is required.)
 Participants are eligible for Act 48 credits

Morning Session at LRSM & MASCA

Archaeometallurgy -- Dr. Elizabeth Hamilton, MASCA
 Ancient Tools -- Prof. Harold Dibble, Dept. of Anthro.
 Archeochemistry -- Dr. Gretchen Hall, MASCA
 Tours of MASCA

REGISTRATION: 8:30AM at the LRSM
 3231 Walnut Street, Philadelphia, PA 19104-6202

Afternoon Session at LRSM

Three rotating group experiments:
 1) SEM archaeometallurgical analysis
 -- Dr. Douglas Yates, SEAS
 2) Mechanical Testing Tools & Thermal Analysis
 -- Dr. Alex Radin, MSE & Dr. Andrew McGhie, LRSM
 3) XRD and Optical microscopy of pottery/ceramic
 -- William Romanow, MSE