



The Academy of
Natural Sciences
of DREXEL UNIVERSITY

TEACHING ASIA WORKSHOP
MOBILITY, TECHNOLOGY, AND THE ENVIRONMENT IN ASIA

FRIDAY, OCTOBER 6TH, 2017

9am – 3:30 pm

at

The Academy for Natural Sciences of Drexel University

Reserve your spot by calling reservations at 215-299-1060.

Globalization is a contemporary trend that has resulted in increased interconnectivity between people and places and is visible through technological developments. The development of new technologies and the rapid pace of mobility of people and products have an impact on cultures, societies, and the environment. In this workshop, teachers will learn about the movement of people and technologies and their environmental impact from experts at the Academy of Natural Sciences of Drexel University and through examples from the Academy's Asian collections and educational programs on the cultural repercussions of climate change.

The workshop will include:

Session 1: What can we learn about environmental change from Mongolian herders? Clyde Goulden, ecologist and Director of the Asia Center of the Academy of Natural Sciences of Drexel University (50 minutes)

Session 2: What can we learn about Mobility, Technology and the Environment of Asia from Japanese shells? Paul Callomon, *Collection Manager, Malacology, Invertebrate Paleontology and General Invertebrates*, Academy of Natural Sciences of Drexel University (50 minutes)

Session 3: Behind the scenes tour of Asia collection at Academy of Natural Sciences of Drexel University. (50 minutes) Led by Clyde Goulden and Paul Callomon.

Lunch break (1 hour)

Session 4: What can we learn about working with international partners in Mongolia? Munhtuya Goulden, *International Travel Liaison*, Academy of Natural Sciences of Drexel University. (50 minutes)

Session 5: Student reflection on Climate Change programs: what worked, what didn't, and how to engage students in global issues. Katie Genovesi, *Senior, Hopewell Valley Central High School* and Linda Gutierrez, *Freshman, Drexel University and WINS Alumna* (30 minutes)

Session 6: Reflecting on learning and how to apply new information to the classroom. Finding Additional Resources and Applying Themes to the K-12 Curriculum. (60 minutes). Facilitated by Mariah Romaninsky, STEM Manager

Brief bios of session leaders

Clyde Goulden PhD, is an ecologist and director of the Asia Center of the Academy of Natural Sciences of Drexel University. He first visited Mongolia in 1994 shortly after it emerged from the international isolation of 70 years of rule by the former Soviet Union. Since then he has devoted his life to studying the climate trend and how it is affecting the country's herders and one of the most pristine lakes in the world, the 2-million-year-old Lake Hövsgöl.

Paul Callomon is responsible for the maintenance and use of the Academy's Malacology Collection, the world's third largest shell collection. He has written books and papers that focus on the Japanese mollusca and the history of natural science in Japan. He is currently researching the history of molluscan studies in northeastern Asia.

Munhtuya Goulden helps to facilitate scientific research in Asia, particularly in Mongolia; serves as a translator; coordinates between Academy scientists and government officials; and serves as Project Leader for the Academy's American and Mongolian student exchange.

Katie Genovesi and Linda Gutierrez are students with a passion for learning about climate change and educating others on its effects and how to best engage teenagers in these critical conversations. They have participated in the US State Department exchange program *Museums Connect* to study climate change in Mongolia and the UL Innovations in Environmental Education program to study climate change in Costa Rica.

Mariah Romaninsky, Manager of STEM Programs, has been involved in formal and informal education for the past two decades. She taught middle school math and science prior to moving to the museum world to pursue her passion for working informally with students of all ages. She currently oversees the professional development, school and early childhood initiatives at the Academy.

Upon completion of the workshop, participants will have the option of applying for Act 48 credits.
Cost to participate: \$15

The Teaching Asia Workshop is offered in conjunction with the Mid-Atlantic Region Association for Asian Studies conference hosted this year by Drexel University, October 6-8, 2017. Information: maraas.org.