Summer Institute: Five Tools and Processes for Next Generation Science Standards

Monday through Friday, July 10-14, 2017
8:30 a.m. to 3:30 p.m.

This five day institute will share a set of tools and processes that help deepen teachers’ knowledge and enable them to translate the NGSS into instructional sequences that will engage students in using science and engineering practices and that highlight the crosscutting concepts. This curriculum is designed to help professional development leaders work with teachers on NGSS-aligned curriculum, instruction, and assessment. Applicants should be Curriculum Coordinators/Supervisors, Science/STEM Coordinators, Professional Learning Providers, Administrators/Instructional Leaders or Teacher Leaders and are encouraged to apply as a team. 250.00 fee includes breakfast, lunch and resources.

To Apply: bit.ly/NGSSSUMMER2017

The development of The Five Tools and Processes for NGSS was a project of the American Museum of Natural History in collaboration with BSCS and the K-12 Alliance at WestEd.

The project was made possible by a grant from The Carnegie Corporation of New York.

Teaching about Ocean Life with Literacy

Tuesday and Wednesday, July 11 and 12, 2017
8:30 a.m. to 3:30 p.m.

In this two-day workshop, teachers will learn how to design a CCSS-aligned Museum learning experience. Museum staff will demonstrate how to use Museum resources, science trade books, and literacy strategies—in conjunction with a trip to the Milstein Hall of Ocean Life—to create an activity that aligns with reading and writing standards as well as science standards. Participants will collaborate to design Museum learning experiences that align with their own teaching goals around ocean environments and marine life.

Grade 3-5 Teachers. To Apply: bit.ly/OCEANSUMMER2017

The American Museum of Natural History gratefully acknowledges the Richard and Karen LeFrak Exhibition and Education Fund.

Oceans is generously supported by
The Dalio Ocean Initiative
Chase Private Client

Evolution: Using evidence to construct explanations about common ancestry

Monday and Tuesday, July 17 and 18, 2017
8:30 a.m. to 3:30 p.m.

This two-day workshop uses Museum exhibitions and digital resources to focus on the evidence for common ancestry of living things. Working with Museum educators, teachers will use fossil and molecular data to explore similarities and differences in organisms and use phylogenetic trees to explain these patterns. Grade 6-12 teachers.

To Apply: bit.ly/EVOLUTIONSUMMER2017

This material is based on work supported by US Army Research Laboratory and Office under Grant No.W911NF-10-0339.
Teacher Professional Development
Summer 2017

Climate Change: Analyzing data to determine the effects of human activities on ice sheets
Wednesday and Thursday, July 19 and 20, 2017
8:30 a.m.-3:30 p.m.
In this two-day workshop, participants will examine the GRACE (Gravity Recovery and Climate Experiment) data sets from Greenland and Antarctica to better understand the impact of climate change on ice sheets. Teachers will engage in classroom ready activities that incorporate data analysis and literacy strategies to increase their capacity to teach about the causes and effects of climate change. Grade 9-12 teachers. To Apply: bit.ly/CLIMATESUMMER2017

This material is based upon work supported by NASA under Award No.NNX09AL93G.

Eastern Woodlands and Plains Indians: Designing a Museum Learning Experience for Grades K-8
Wednesday and Thursday, July 26 and 27, 2017
8:30 a.m.-3:30 p.m.
This workshop will help teachers integrate a field trip to the Halls of Eastern Woodland Indians and Plains Indians into their Social Studies instruction around Native Americans. Participants will come away with classroom activities that highlight literacy strategies and align with social studies standards, as well as a plan for object-based learning in the Museum with their students. Grade K-8 teachers. To Apply: bit.ly/EWISUMMER2017

TRUST Institute 2017: Evolution, Ecology, and Biodiversity
Monday-Friday, July 31-August 4, 2017
8:30 a.m.-3:30 p.m.
This ten-day institute is designed to strengthen science teachers’ content knowledge of evolution, ecology, and biodiversity and to prepare participants for using Museum resources and exhibits with their students. The Institute includes lectures by museum scientists; investigations in museum exhibitions, biodiversity surveys in Central Park and labs in the Spitzer Hall of Human Origins. To Apply: bit.ly/TRUSTSUMMER2017

Mummies: Designing a Museum Learning Experience for Grades 3-12
Tuesday, August 15, 2017
8:30 a.m. to 3:30 p.m.
This one day workshop uses the special exhibition Mummies and the Museum’s permanent exhibits to strengthen participant understanding of mummification in ancient Egyptian and Peruvian societies. Emphasis will be placed on exploring what mummies tell us about the structures of ancient cultures and societies, and how scientists study the remains of people long dead. Grades 3-12. To Apply: bit.ly/MUMMIESUMMER2017

Mummies was developed by The Field Museum, Chicago.
The Museum gratefully acknowledges the Richard and Karen LeFrak Exhibition and Education Fund.
Mummies is proudly supported by Chase Private Client.

Visit individual event pages on amnh.org/learn-teach to apply