



TEACHER PROFESSIONAL DEVELOPMENT PROGRAM FOR MIDDLE SCHOOL EDUCATORS

REAL SCIENCE

Untangling Evolutionary Trees

Tuesday, July 21–Thursday, July 23, 2020, 8:30 am–3:30 pm

Harvard Museum of Natural History, 26 Oxford Street, Cambridge MA 02138

How do scientists use cutting-edge technology to understand evolution? Phylogenetics, sequence analysis, PCR amplification, ribosomes? Fear not! This three-day program will give you an understanding of evolution, hands-on laboratory experience, and access to supplies and equipment so that you can conduct an engaging, authentic experiment with skill and confidence. Following the program, you will partner with Harvard scientists to bring the lab experience to your classroom.

What you will receive:

- Free 18-hour teacher professional development program led by Harvard professor Mansi Srivastava, Harvard researchers, and educators
- Instruction and ongoing support from Harvard scientists and educators
- All supplies and equipment loaned for classroom use
- Free on-site parking during the professional development program
- Catered lunch and snacks during the program
- 18 PDPs upon completion of the course

What you will do:

- Deepen your understanding of evolution and tree-building through hands-on learning
- Immerse yourself in an authentic experiment that you can replicate in your classroom
- Understand how scientists use technology to understand evolutionary relationships among animals
- Receive full support of Harvard scientists and educators during the program and in your classroom
- See how hands-on, experiment-based science will engage and motivate student learning

This program is free but a refundable deposit of \$50 is required. Questions?

Email jennifer_peterson@harvard.edu

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