



## Flying Frogs: Teaching Adaptations in the Elementary School Classroom

**Teacher Professional Development Program  
at the Harvard Museum of Natural History**  
26 Oxford Street, Cambridge MA 02138

Flying frogs, heat-producing lilies, blood-squirting lizards—the amazing adaptations of plants and animals confound and delight us all. How did these adaptations arise? During this three-day program participants will look closely at fossil, modern, and living examples of adaptation, learn about the evolutionary processes that produce these structures and behaviors, and find ways to share these wonders with elementary aged students that will give them a solid foundation for learning about evolution in middle school and beyond.

- Learn to see adaptations through the lens of evolution
- Master basic evolution concepts needed to explain animal and plant adaptations to elementary-aged students
- Address common pitfalls in teaching that lead to student misconceptions about adaptations
- Share teaching strategies and activities with colleagues
- Participate in a behind-the-scenes tour of the museum's collections
- Hear from scientists about current research that can be shared with students
- Design a lively field trip plan that uses museum exhibits effectively
- Discover new resources for teaching elementary students about adaptations

This program supports current life science standards and Massachusetts NGSS draft standards. **NGSS Grade 3:** LS1-1 Life Cycles; LS3-1 Inheritance of traits; LS3-2 Inherited v. acquired traits **NGSS Grade 4:** Life Science 4-LS-1 Animal and plant structures support survival and reproduction **Massachusetts Standards:** Life Science Grades 3–5 (1, 2, 5, 6, 7, 8)

**When:** April 21, 22 and 23, 2015, 9:00 am–3:00 pm

**For:** This program is intended for teachers of grades 3-5. It also supports NGSS standards for grade 6. All grade levels and informal educators welcome.

**Cost: \$120.** Some scholarships available. Register online:  
<http://reservations.hmsc.harvard.edu/Info.aspx?EventID=14>

**Registration deadline:** Accepted on an ongoing basis, closing April 6 or upon reaching capacity. Participants will receive 15 PDPs upon completion of the program.

For help with registrations, contact Cathy ([reservations@hmsc.harvard.edu](mailto:reservations@hmsc.harvard.edu)). For other information, contact Jennifer ([Jennifer.peterson@harvard.edu](mailto:Jennifer.peterson@harvard.edu)).