

**DAVID E. RANDLE****700 Riverside Drive Apt. 4D, New York NY 10031****(917) 698-5857****(212) 496-3540****drandle@amnh.org****EDUCATION:**

BA. Zoology; University of Washington; Seattle, Washington 1977-1982

Professional requirements in Education; Hunter College, CUNY; New York, New York  
1987-1988MA. Science Education; Teachers College Columbia University, New York, New York  
1993-1995Ph.D. Science Education; Columbia University, New York, New York  
2007-2013**PROFESSIONAL APPOINTMENTS:**The American Museum of Natural History

2008 to present: Senior Manager of Professional Development – Responsible for organizing and presenting professional development experiences for science teachers.

2004 to present: Curriculum Manager for Seminars on Science (An online professional development program for teachers) – Responsible for managing a staff of educators and scientists to offer six-week graduate level science courses online. Oversee content development for new courses.

The Beacon School (New York City)

2000 to 2004: Science Teacher - Tenth grade Biology, ninth grade Integrated Science, and twelfth grade Museum Science.

Middle School 44 (New York City) The Science Museum School

1989 to 2000: Science Teacher - Responsible for teaching and developing curriculum for hands-on, laboratory oriented courses in seventh grade Life Science and eighth grade regents Earth Science.

1993 to 2000: Museum School Liaison - Responsible for coordinating Museum School activities in conjunction with the American Museum of Natural History. Facilitation of communication between school and museum staff. Planning and implementation of a wide range of interdisciplinary curricula. Planning of professional development activities for school staff.

1997 to 2000: Chair of Science Department at MS 44 - Responsible for maintenance and ordering of all laboratory related equipment as well as organization of professional development activities.

Liberty Partnership Program, Bank Street College

1996 to 1998: Environmental Science Teacher - Responsible for planning and teaching of Environmental Science to at-risk sixth, seventh, and eighth grade students of the weekend college.

American Museum of Natural History

1989 Intern - Shared planning and teaching of the Junior High School Natural Science Program

## **PUBLICATIONS**

- Randle, D., (2013) *An Analysis of Interactions and Outcomes Associated with an Online Professional Development Course for Science Teachers*. (Doctoral thesis).
- Anderson, O. R., Randle, D., & Covotsos, T. (2001) The Role of Ideational Networks in Laboratory Inquiry Learning and Knowledge of Evolution among Seventh Grade Students, *Science Education*, 85: 410-425
- Randle, D., & Anderson O.R. (1999) An Analysis of Student Perceptions of Learning Activities In a Museum-based School, presented at the annual conference of the National Association for Research in Science Teaching (NARST) in Boston, Massachusetts.

## **SYNERGISTIC ACTIVITIES:**

### American Museum of Natural History

- 2013 to present: Co-instructor for two massive open online courses (Genetics and Society: A course for educators and Evolution: A course for educators) offered by the American Museum of Natural History through Coursera.
- 2013 to present: Faculty in the American Museum of Natural History's Master of Teaching Earth Science program.
- 2003 to 2004: Served as chairperson on the advisory board for the TRUST (Teacher Renewal for Urban Science Teaching) an NSF funded teacher training initiative.
- 2000 to 2004: Assisted in development and worked as an Instructor for three Seminars on Science online courses: *Earth: Inside and Out*, *Genetics*, *Genomics*, *Genethics*, and *Dinosaurs Among Us: The Link To Birds*.
- 1999-2000: Consulted on educational and content issues involved in producing on-line, graduate level courses for teachers. Evaluated educational materials for courses on mammoth extinction and fish biology.
- 1998 Participated in an oceanographic expedition which successfully collected hydrothermal vent chimneys from the floor of the Pacific Ocean. The expedition was collaboration between AMNH, the University of Washington, and the REVEL (Research, Education, Volcanoes, Earth, Life) project.
- 1994 to 1998 Participated in focus groups which developed instructional materials and brainstormed ideas for exhibits on Human Biology and Evolution, Global Warming, and Diamonds.
- 1989 Produced educational materials for teachers on Owl Pellets and Dogfish as an extension of the Junior High School Natural Science Program.

### REVEL

- 1998 Member of an oceanographic expedition to retrieve sulfide chimneys known as black smokers from the Pacific Ocean floor. This experience has lead to presentations to several groups of educators, including presentations at the 1999 and 2000 National Science Teachers Association conventions held in Boston, Massachusetts and Orlando, Florida.
- 2000 Participated in a National Science Foundation workshop designed to explore the feasibility of establishing a national Center for Ocean Science Education Excellence (COSEE).
- 2002 Participated as a Facilitator in a Ridge 2000 educational workshop in Mystic Connecticut. The purpose of the workshop was to brainstorm educational outreach for the hydrothermal vent community.

- 2003 Participated as a member of an Educational Outreach group at the IODP/OOI (Integrated Ocean Drilling Program/Ocean Observatory Initiative) National Science Foundation workshop in Seattle Washington
- 2004 Piloted a Ridge 2000 curriculum initiative called SEAS (Students Experiments at Sea) in my classroom. An experiment designed by my students was accepted and performed by scientists using the deep sea submersible Alvin on the East Pacific Rise.
- 2005 Served as at-sea mentor for four REVEL teachers during the Visions 05 expedition to the Juan de Fuca Ridge.