

## Michael J. Passow

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Work: Dwight Morrow High School, 274 Knickerbocker Rd., Englewood, NJ 07631;  
tel. (201) 862-6200 x. 6825

### Educational Background and Teaching Certifications

B.A. (Geology), Columbia College, Columbia University, 1970  
M.A.T. (Science Education), Teachers College, Columbia University, 1971.  
Ed. D. (Science Education), Teachers College, Columbia University, 1974.  
M. Ed. (Curriculum and Teaching), Teachers College, Columbia University, 1987.  
New York and New Jersey Permanent Certification: Earth Science, Chemistry,  
Biology, General Science

### Professional Experience

**Dwight Morrow High School, Englewood, NJ: Science Teacher (2007 - )**  
**Lamont-Doherty Earth Observatory of Columbia University, Palisades NY**  
**Adjunct Associate Research Scientist (2004 - ); Organizer,**

**“Earth2Class” Workshops for Teachers (1998 - )** [www.earth2class.org](http://www.earth2class.org)

White Plains Public Schools, White Plains, N.Y.: Science Teacher (1985 – ret. 2007)

Earth Science, Chemistry, Biology; Director, School Musicals (1987 - 2000)

St. Thomas Aquinas College, Sparkill NY: Special Instructor (2001 - 07)

Teachers College, Columbia University: Adjunct Professor of Science Education  
(Earth Sciences) (2000 - 06)

Purchase College, SUNY, Originator/Presenter, 1<sup>st</sup> – 11<sup>th</sup> Westchester Conferences on Science,  
Math, and Technology Education (1996 – 2007); Summer Workshop Developer (1997 – 99)

Horace Mann-Barnard School, Bronx, N.Y.: Science Teacher (1976 – 85)

Earth Science, Biology, Physical Science, Oceanography, Science Electives, Math

Fairleigh Dickinson University, Rutherford and Teaneck, N.J. Lecturer (1971 – 77)

New Lincoln School, New York, N.Y.: Science Teacher (1970 – 72)

### Selected Professional Memberships and Positions Held

National Earth Science Teachers Association,

President 2008 – 10, President-Elect 2012 – 14, Fellow 2009

**National Association of Geology Teachers/Eastern Section: President, 1994 – 95, 2001 –**  
**02, 2012 - 13**

American Meteorological Society

AMS Education Program DataStreme Team Leader (1996 - present)

Bd. on School and Popular Meteorological and Oceanographic Education (1989-96)

American Geophysical Union

Committee on Education and Human Resources, 2008 - 10

Science Teachers Association of New York State: President, 2002 –03, **Fellow 2009**

### Selected Themes of Recent Presentations and Publications

Promoting Excellence in K – 12 Earth Science Education, esp. Improving Spatial Thinking

Connecting Classroom Teachers and Students with Cutting-Edge Research Scientists

Encouraging Professional Society Support for K -12 Earth Science Education

### Selected Professional Awards

American Meteorological Society Education Program Distinguished Educator, 2011

American Chemistry Council 2001 National “Catalyst Teacher” Award, Pre-High School Teaching

Chemical Manufacturers Association “Catalyst Teacher” Award for Outstanding Middle School  
Teaching (Eastern Section), 1992

National Association of Geology Teachers/Eastern Section "Outstanding Earth Science Teacher  
Award, New York State", 1990 and 1993.