

Jacob S. Tanenbaum

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Certifications:

- Permanent certification in New York State in Elementary Education
- Permanent certification in New York State to teach English as a Second Language

Education:

- Coursework in the teaching of the visually impaired, Teachers College, Columbia University, New York, New York, 1991 - 1993.
- E.S.L. Certification Program, D'Youville College, Buffalo, New York, 1991.
- Ed. M. in Elementary Education from the State University of New York at Buffalo, 1989.
- BA in Anthropology and Psychology from the University of Arizona, 1986.

Honors, Awards and Large Grants:

Served as community leader for a district-wide competition to design an experiment and mission patches which traveled to the International Space Station in 2014. Helped write funding proposals, conducted parent outreach and staff trainings, presented to the School Board, coordinated experiment design contests and mission patch design contests district-wide, as well as judging contest judging, experiment revisions and data recovery and analysis. The project also included coordinating and participating in two very complex overnight trips with students and their families: One to the launch of the spacecraft and the other to present at a student researcher conference at the Smithsonian Air and Space Museum in Washington, DC

Participated in the National Audubon Society's Project Puffin, joining a team of scientists to study a sea-bird colony on an uninhabited island off the coast of Maine in June 2011

Was made an honorary lifetime member of the New York State Parent Teacher Association by the South Orangetown PTA on Founder's Day, February 24, 2010.

Representative Elliot Engel honored Jacob Tanenbaum in the US House of Representatives for his "exemplary efforts bringing real scientific research to the classroom," on April 21, 2009.

Pioneer Award for Distinguished Technology Teaching from the Lower Hudson Regional Information Center, May, 2006

Teacher at Sea Participant with the National Oceanic and Atmospheric Administration.

- Traveled to the Bering Sea to join the science crew of NOAA Ship MILLER FREEMAN in studies of the walleye pollock fishery in June, 2006

- Traveled to the Gulf of Alaska, again on the Freeman, to study recently hatched pollock in the plankton community in May, 2007.
- Traveled to the Gulf of Maine to join the science crew of NOAA Ship HENRY B. BIGELOW to do bottom trawl surveys in October of 2008.
- Was the subject of the book *Teacher at Sea: Mr. Tanenbaum Explores Atlantic Fisheries on the NOAA Ship Henry B. Bigelow* by Dr. Diane Stanitski and John Adler, Illustrated by Bruce Cowden, 2009

New York State Learning And Technology Grant in the amount of \$50,000 to conduct a study of a local fresh water pond using advanced technology. The study involved students from two schools. I was responsible for grant writing, coordination, planning and budget for the program, 1999

Fulbright Memorial Fund Award: Traveled to Tokyo and Osaka Japan to study the Japanese educational system as a recipient of a Fulbright Memorial Fund Scholarship. June 1998

Publications and Presentations:

Invited speaker at the White House Back-To-School Climate Education Event. August 20, 2015. Washington, DC. See video here: <https://youtu.be/uR-Bnxc9Mqc?t=1h47m30s>

“3, 2, 1! Send a Student-designed Experiment to the International Space Station!” with Brian Culot, Brian Newburger, Marc Eckert and Kristy Nadler at the 2015 National Science Teachers Association National Conference, Chicago, IL, March 2015

“Climate Change Series 1: Climate Stewards Roundtable Presentations” by Bruce Moravchik, Molly Harrison and Peg Steffen at the 2015 National Science Teachers Association National Conference, Chicago, IL, March 2015. Roundtable presentation on web-based climate education resources.

“Teaching Tree-Ring Science to Elementary Students and Older: An Effective Collaboration Among Scientists and Schoolchildren” with Nicole Davi at the 2014 National Science Teachers Association National Conference, Boston, MA, April 2014

“A Visit to the Creation Museum Tells Us Why We Should Teach Evolution” at the 2014 National Science Teachers Association National Conference, Boston, MA, April 2014

“An Open Letter to Pearson” in *Education Week*, June 4 2013

“A Science Teacher Draws the Line at Creation.” in *Scientific American*, January 2013

Facilitated a NOAA Climate Stewards half-day workshop at the National Science Teachers Association National Conference, San Antonio, TX, April 2013

"Using Tree-Ring Data, Research, and Expeditions as an Accessible, Hands-On Bridge into Climate Studies for Diverse Audiences" Poster Session with Nicole Davi, et al, at the 2012 American Geophysical Union Conference, San Francisco, CA, December 2012

"Teaching Climate Science Using Data" Presentation at the 2012 National Science Teachers Association STEM Forum and Expo, Atlantic City, NJ, May 2012

Presented as part of the NOAA Climate Stewards half-day workshop at the National Science

Teachers Association National Conference, Indianapolis, IN, March 2012

Is a Human "Here and Now" Bias Clouding Climate Reasoning? Guest posting on *the New York Times* blog DotEarth, May 2011

"Using NOAA and NASA Data in the Classroom" Presentation at the 2011 Tech Expo, Briarcliff, NY, April 2011

"Bringing the World to Your Students" Presentation with Dr. Eunhee Jung and Kottie Christie-Blick at the AGATE Conference, New Rochelle, NY, November 2010

"Is Science Loosing its Currency to Convey Information?" Presentation with Brian Culot at the AGATE Conference, New Rochelle, NY, November 2010

"Robotics for the Classroom." Presentation at the 2010 Tech Expo, Briarcliff, NY, March 2010

"Bringing the World to Your Students: Blogging and Video Conferencing" Poster Session with Kottie Christie-Blick at the National Association for Gifted Children Annual Convention in Saint Louis, Missouri, November 7, 2009

Jacob was featured in the book "Teacher At Sea: Mr. Tanenbaum Explores Atlantic Fisheries on NOAA Ship Henry B. Bigelow by Diane Stanitski and John Adler, illustrated by Bruce Cowden. : National Oceanic and Atmospheric Administration, Washington, DC, 2009

"Open Source Software for the Classroom." Presentation at the Second Annual Tech Expo, Briarcliff, NY, March 2008

"Technology Infused Classroom Projects: The West Point Bridge Design Contest." Presentation at the First Annual Tech Expo, Briarcliff, NY, March 2007

"Shared Experience: Web Based Distance Learning From Just About Anywhere." Presentation at the New York Society of Computer and Technology Educators Annual Conference, Rochester, New York, November 2006

Keynote Address on distance learning from the Bering Sea at the 2006 Satellite Educators Association conference in Pasadena California. August 2006

"Looking Inward With Electronic Data: How On-Line Survey Research Tools Can Promote Best Practices" presentation at the Best Practices Using Data conference, Manhattanville College, Purchase, New York, October 2002 and October 2003

"The Use of HyperCard with Blind, Visually Impaired, and other Special-Needs Children," paper presented at the ConnSENSE Tenth Anniversary Conference , University of Connecticut, Storrs, CT, July 1993

"Promoting Computer Literacy Among Children with Special Needs," paper presented at the Young Adult Institute 14th Annual International Conference, New York, May 1993

Tanenbaum, J.S., et al (1988). "Bibliography," in H.L. Foster and H. Kight, *A Study of In-School Suspension Programs in New York State* (Buffalo, N.Y.: Institute on Classroom Management and School Discipline), pp. 125-146

Teaching Experience

NORTHEAST REGIONAL LEADER for the Climate Stewards Education Program run by the National Oceanic and Atmospheric Administration's Ocean Service: 2012- Present

TECHNOLOGY TEACHER South Orangetown Central School District, Blauvelt, NY. 2000 - Present

- Teaches and facilitates technology for over 500 4th and 5th graders in Cottage Lane Elementary Schools.
- Teaches science to several 4th and 5th grade classes
- Runs frequent teacher workshops on a variety of topics
- Creates a rich curriculum which includes multimedia development, internet research, programming and robotics
- Robotics team coach
- Coordinator of Technology for the entire district: 2001 – 2003

TEACHER R. J. Bailey School, Greenburgh Central # 7, White Plains, NY. 1996 - 2000

- Taught and facilitated technology for the entire Bailey School. Including grant writing and coordination
- Taught ESL, Math, Spanish and an after-school computer club for two years
- Coordinated a district-wide distance learning project through Educational Management Group

CLASSROOM TEACHER, Colegio Internacional de Bogotá, Bogotá, Colombia: 1994 - 1996

LEAD TEACHER, The Ann Elizabeth Shepherd Home, Columbus, GA: 1993 – 1994

ITINERANT TEACHER FOR THE VISUALLY IMPAIRED, The Alexander City Public Schools, Alexander City, AL: 1993 – 1994

CLASSROOM TEACHER, Jewish Guild for the Blind, 1991 – 1993

ENGLISH AS A SECOND LANGUAGE TEACHER, School #18, Buffalo Public Schools, Buffalo, NY. 1990 – 1991

THIRD GRADE TEACHER, The Inter-American Academy, Guayaquil, Ecuador. 1989 –1990

SECOND GRADE TEACHER, The American School of Guatemala, 1989

Additional Information

- Speaks fluent Spanish.
- Enjoys landscape and wildlife photography (<https://www.flickr.com/photos/jstanenbaum/>)