

# 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:

Was awarded the 2018 Educator Award from Keep Rockland Beautiful at their annual gala. Received recognition from various local governments as part of that award.

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

### **Recent Publications and Presentations:**

“Using Models to Understand Climate Change” with Kottie Christie-Blick at the 2018 North American Association of Environmental Education National Conference, Spokane, WA, October, 2018

“Digital Natives Use 3 – Dimensional Learning to Collaborate on Climate Change” with Kottie Christie-Blick at the 2018 National Science Teachers Association National Conference, Atlantic City, GA, March, 2018

“A Film School for Young Student” at the 2018 Lower Hudson Regional Information Systems Tech Expo, Briarcliff Manor, NY, May 2018

Climate Science – How Can Such A Serious Topic Be So Much Fun” With Kottie Christie-Blick and Samantha Levine at the National Science Teachers Association National Conference, Nashville, TN, April, 2016

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> (I can provide a copy if the White House removes this during the transition).

“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

### **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/>)