

DANIEL A. YAVERBAUM

524 WEST 59TH STREET, NEW YORK, NY 10034

(212) 237-8980, dyaverbaum@jjay.cuny.edu

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2012-Present

JOHN JAY COLLEGE OF CRIMINAL JUSTICE, THE CITY UNIVERSITY OF NEW YORK

NEW YORK, NY

LECTURER OF PHYSICS

Teach all lectures and various lab courses in two distinct levels of calculus-based introductory physics course sequence required for all forensic science majors. Create and implement curricula for contemporary forensic science majors. Teach one lab course for non-science majors—when needed. Serve as sole full-time physics faculty member and physics course coordinator. Support and manage physics programming and personnel.

PHD CANDIDATE, DISSERTATION IN PROGRESS

COLUMBIA UNIVERSITY TEACHERS COLLEGE

NEW YORK, NY

Currently completing dissertation regarding *Mental Models for Galilean Relativity*. Pursuing doctoral degree in Science Education, Department of Math, Science and Technology. ABD. Date of expected completion: May, 2014.

2009-2010

RESEARCH ASSOCIATE,

Analyzed and tracked education component of 2009 American Recovery and Reinvestment Act;

THE CAMPAIGN FOR EDUCATIONAL EQUITY

Co-Authored and presented *Stimulating equity? A preliminary analysis of the impact of the federal stimulus act on educational opportunity* at national symposium. Paper covered in *New York Times*, February 8, 2010, p. A11.

http://quicktime.tc.columbia.edu/users/TCNEWS/Symposium2010/session1.mov?KeepThis=true&TB_iframe=true&height=400&width=400

2007-2009

DIRECTOR, DIXON OBSERVATORY;

BERKSHIRE SCHOOL (9-12, BOARDING)

SHEFFIELD, MA

Oversaw re-opening of on-campus astronomical observatory, 24-inch reflecting scope. Created “And Still It Moves”: original text and curriculum on heliocentricity.

A.P. PHYSICS TEACHER

Taught *A.P. Physics C*, *Advanced Physics* and *Astronomy*; Served as dormitory parent and assistant coach.

THE LAKEVILLE JOURNAL, THE WINSTED JOURNAL, THE MILLERTON NEWS

LAKEVILLE, CT

COLUMNIST

Wrote bi-weekly “Star-Gazing” column for local newspapers; held numerous public seminars on astronomy and physics, requested and promoted by local press.

<http://tcextra.com/search/search.php?query=yaverbaum&search=1>

2006-2007

A.P. PHYSICS TEACHER

BERKSHIRE COUNTRY DAY SCHOOL (K-12)

LENOX, MA

Taught *Advanced Physics*, *Conceptual Physics*, *Astronomy*, *7th grade Physics*; Developed and used paperless curriculum until school closed in funding crisis.

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- 2005-2006 **CARY ACADEMY (6-12)** CARY, NC
A.P. PHYSICS, MATH TEACHER Taught *Honors Physics* and *Trigonometry & Functions*; Integrated pre-calculus curriculum with physics curriculum.
Elected 2007 Baccalaureate Speaker.
- 2003-2005 **PIERREPONT SCHOOL (K-7)** WESTPORT, CT
DEAN OF STUDIES Steered faculty from all departments; Coordinated original math/science curricula with humanities course of study.
HEAD OF MATH AND SCIENCE Constructed and taught original K-7 math and science curricula; Applied national standards; Conducted weekly department meetings. Created "POW!": 2-volume Problem-Of-the-Week program for whole student body.
- 1997-2003 **SAINT ANN'S SCHOOL (K-12)** BROOKLYN, NY
A.P. PHYSICS TEACHER Instituted "ABC" physics course program (max. offerings from min. prerequisites); Taught *A.P. Physics C*; Created and taught *Physics A* (no math prereq), *Physics D* (prereq: AP Physics), *Electronics*; Co-created, taught 6th grade *Physics*.
Twice elected faculty Commencement Speaker (1999, 2003).
- 1992-1996 **ISIDORE NEWMAN SCHOOL (K-12)** NEW ORLEANS, LA
A.P. PHYSICS TEACHER Taught *AP Physics C*, *AP Physics B* and *Physics*; Taught *Humanities*—inter-departmental requirement for seniors.
Coached and taught member of U.S. Physics (Olympiad) team, 1995, 1996; Coached Lincoln-Douglas Debate, including 1995 National Forensic League Champion.
Appointed 1996 Commencement Speaker (first Newman faculty member to be keynote speaker).
- SUMMERS, 1994-2006 **NATIONAL SUMMER INSTITUTE IN FORENSICS, UNIVERSITY OF IOWA (9-12)** IOWA CITY, IA
DIRECTOR, SENIOR PHILOSOPHERS Created and taught primary-text philosophy program for national circuit Lincoln-Douglas Debate seniors.

~ EDUCATION ~

- 2012 **COLUMBIA UNIVERSITY** NEW YORK, NY
M.Phil., Science Education
- 2003 **CITY COLLEGE OF NEW YORK, THE CUNY** NEW YORK, NY
M.A., Physics.
- 1992 **AMHERST COLLEGE** AMHERST, MA
B.A., Physics; B.A., Philosophy, Magna Cum Laude.
Elected 1992 Commencement Speaker.