

Michael H. Buoni Ed.D.
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Delaware Foundation for Science and Mathematics Education

EDUCATION

- University of Delaware, Newark, DE*
Ed.D. in Education, specializing in Curriculum and Instruction 2012
Dissertation: "DEVELOPING SECONDARY SCIENCE TEACHERS' PEDAGOGICAL
CONTENT KNOWLEDGE THROUGH EFFECTIVE CURRICULUM MATERIALS"
- University of Delaware, Newark, DE*
M.A. in Liberal Studies, specializing in Bioethics 2004
Thesis: "AN ETHICAL ASSESSMENT OF THE HUMAN EMBRYONIC STEM CELL DEBATE"
- University of Delaware, Newark, DE*
B.A. in Biology 1996
Areas of Concentration: Molecular Biology and Genetics

AWARDS

- Cape Henlopen School District Teacher of the Year 2007
Cape Henlopen High School Teacher of the Year 2006
MBNA Excellence in Education "Grant of the Year" 2004
Alexis I. duPont High School Teacher of the Year 2002

TEACHING EXPERIENCE

- Delaware Technical Community College, Georgetown, DE* 2007-Present
Instructor
- EDUC115 Nature of Science
 - Biology 125 Microbiology
 - Biology 150 Bio 1
 - Biology 151 Bio 2
 - Biology 140 General Biology
 - Biotechnology 260
 - Immunology 260
 - Business Statistics 255
 - College Math and Statistics 153
- University of Delaware, Newark, DE* 2007-Present
Adjunct Instructor
- Biology 207
 - Biology 208
 - Biology 104
 - Proportional Reasoning 567
- Cape Henlopen High School, Lewes, DE* 2004-2007
High School Biology Teacher
- Advanced Placement Biology
 - Advanced Molecular Biology
 - Honors Biology
 - College Prep Biology
- Alexis I. DuPont High School, Greenville, DE* 1998-2004

High School Science Teacher

- Advanced Placement Biology
 - Advanced Molecular Biology
 - Honors Biology
 - College Prep Biology
 - Chemistry
 - Physics
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MEMBERSHIPS/PROFESSIONAL DEVELOPMENT EXPERIENCE

National Association for Research in Science Teaching (NARST)

Association for Science Teacher Education (ASTE)

International History, Philosophy, and Science Teaching (IHPST)

- *University of Delaware, Georgetown, DE*

2007-2010

Founding member and Secondary Science Teaching Specialist for the *Southern Delaware Professional Development Center*

Responsibilities:

- Provided best practice, professional development to all middle and high school science teachers in the following school districts: Cape Henlopen, Laurel, Woodbridge, Seaford, Delmar, Sussex Tech, Lake Forest, and Caesar Rodney

Member of the Delaware Race To The Top Science Assessment Cohort

- 10th Grade Biology Science DCAS Question Development Team
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