

Kathryn E. Ottolini

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Temporary Address

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Permanent Address

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EDUCATION

College of William and Mary, Williamsburg, VA

Bachelor of Science, Biology, May 2011

GPA: 3.95 overall, 3.97 in Biology

Teaching Certification: Secondary Biology (6-12), expected June 2011

HONORS/AWARDS

Dean's List, ATE-VA Pre-Service Teacher Research Award (April 2011), ETS Recognition of Excellence on the Biology Praxis II (September 2010), Virginia Space Grant Consortium Teacher Education STEM Scholarship (May 2010), James Monroe Scholar Program Acceptance, (May 2007)

TEACHING EXPERIENCE

New Kent High School New Kent County, VA

Student Teaching

Spring 2011

- Teaching two Advanced Biology classes (10th grade) and one Zoology elective (11th and 12th grade)
- Developing a preliminary student survey to gather information about individualized student learning preferences and perceived strengths/weaknesses
- Incorporating technology and ongoing inquiry-based laboratory exercises into instruction

Field Experience

Fall 2010

- Observed and assisted with teaching responsibilities in three 10th grade General Biology classes
- Adapted instructional activities to meet the particular needs of a struggling student and saw marked improvement in student attentiveness

Berkeley Middle School Williamsburg, VA

Field Experience

Spring 2010

- Observed and assisted with teaching responsibilities in a 6th grade science classroom
- Developed, administered, and scored a Content Area Reading Inventory (CARI) to assess student comprehension of content-rich text
- Prepared and taught a text-based lesson regarding the history of space exploration that optimized student engagement and participation

WORK AND INTERNSHIP EXPERIENCE

Teachers for a Competitive Tomorrow Chicago, IL

Teaching Fellow

Summer 2010

- Taught 40 inner-city high school and middle school students through the Chicago Botanic Garden's education program
- Helped to design and implement engaging classroom and outdoor learning activities that promoted positive experiences with the natural environment and positive student self-image
- Guided students through the development and presentation of individual research projects

Research Fellow

Summer 2009

- Investigated the reproductive biology of a rare plant via field sampling and germination experiments
- Won an award for presentation of research findings
- Mentored a high school student from the Chicago Public School system and facilitated mentee's acquisition of laboratory/field research skills and oral presentation skills

New Trier Township High School Winnetka, IL

Cross Country Assistant Coach

Summer 2009

- Trained a group of 10-15 high school students to develop running skills and build endurance
- Designed running activities to ensure the safety and emotional well-being of all the students
- Motivated and encouraged students through the rigorous program and saw immense improvement in running ability

William and Mary Department of Biology Williamsburg, VA

Animal Husbandry Assistant

Fall 2008-Spring 2009

- Provided care for research animals and assumed responsibility for their comfort and safety

PUBLICATIONS

American Educational Research Association (AERA)

Coauthor

Fall 2010

- Compiled and analyzed data for an article accepted to the AERA 2011 Annual Meeting

Journal of Virginia Science Education (JVSE)

Primary Author

Spring 2011

- Conceptualized and composed an article concerning teacher preparation for high need schools
- Article has been used as required reading in instructional methods courses at two universities
- URL: <http://www.vast.org/content/File/ottolini.pdf>

RELEVANT ACTIVITIES

NSTA Student Chapter President

Fall 2010-Present

- Directed the 30-member chapter and organized participation in the USA Science and Engineering Festival
- Coordinated festival involvement of three other student chapters affiliated with the Virginia Association of Science Teachers (VAST)
- Developed and conducted a simple, exploratory science activity geared towards middle school students

Education Research

Fall 2009-Summer 2010

- Contributed a fresh perspective to a William and Mary research team evaluating the preparedness of secondary science educators to teach in high-need schools
- Assessed transcripts from interviews with pre-service teachers
- Received the James Monroe Summer Research Grant to fund continued research in Summer 2010

PACE Chair for Gamma Phi Beta International Sorority's Alpha Chi Chapter

Spring 2009-Fall 2009

- Prepared weekly 10-30 minute presentations to help 90 sisters improve their sorority experience

Ornithological Research

Spring 2009

- Collaborated with a graduate student to analyze effects of sub-lethal mercury on European starlings