

Scott Orelli

Education is not preparation for life.

education is life itself

-John Dewey

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Education

Thiel College, Greenville, PA
B.A. Chemistry, 3.18 GPA

Drexel University, Philadelphia, PA
Coursework necessary to earn PA Instructional I (chemistry), 4.0 GPA

West Chester University, West Chester, PA
M.Ed. Professional and Secondary Education, 3.97 GPA

Certification

PA Instructional II
Chemistry, 7-12
Physics, 7-12
Biology, 7-12 (praxis scores submitted, awaiting certification approval)



Google Certified Educator Level 1

Teaching Experience

Spring-Ford Area School District, 10-12 Center, Royersford, PA,
Honors and Academic Chemistry teacher, 2008-Present

- Design and implement daily lesson plans, formative assessments, and summative assessments to facilitate student learning
- Differentiate instruction to meet individual student needs
- Take proactive approach to collaboration with administrators and parents
- Provide early morning and after school remediation
- Conducted action research projects on metacognitive effects of practice tests, the effectiveness of using error analysis questions to help students address experimental error in laboratory exercises, and the effectiveness of lab quizzes as a means of assessing content comprehension and retention from lab exercises

Science Club advisor, 2014-2016

- Directed monthly activities to promote student interest and cultivate scientific thinking

Ping-Pong Club advisor, 2016-2017

- Oversee and supervise weekly sessions and student account

Sharon City School District, Sharon, PA

June 2008-July 2008

Summer school physical science teacher, grades 10-12

- Designed and implemented daily lesson plans and assessments for a two month physical science summer school course
- Established classroom procedures to promote engagement in underperforming students

**Teaching
Experience
Continued**

Mokdong Sogang Language Program, Seoul, South Korea

February 2006-August 2007

English Instructor, student ages 6-13

- Implemented a pre-established conversational English curriculum to small classes of elementary aged students
- Initiated classroom procedures to enhance opportunities for meaningful, directed conversations between students.

**Relevant
Work
Experience**

Spider Learning Incorporated, Upper St. Clair, PA

March 2015 – May 2015

Contracted online curriculum writer

- Designed online lessons and assessments for biology based middle school science curriculum for online learners.
- Utilized online assessment and exam delivery platform called Learnosity for lesson and assessment construction.

Comprehensive Children and Family Services, Sharon, PA

Oct 2007- Jan 2008

Therapeutic Staff Support

- Implemented methods and interventions as described in clients' treatment plans to achieve plan goals. Provided support for children with autism, ADHD, and oppositional defiance disorder.

Advanced Polymer Technology, Harmony, PA

July 2005-February 2006

Quality Control, R&D Chemist

- Tested outgoing polyurethane based sports surfaces and coatings for quality assurance
- Developed a new latex based sports surface product for tennis courts
- Prepared material safety data sheets for newly developed products

Awards

Spring-Ford Senior Impact Award

Each graduating senior is given the opportunity to nominate one teacher from his or her educational career who made a significant impact on the student's life.

- 20 nominations since 2012

**Technology
Portfolio**

Website designed to showcase knowledge and skills associated with incorporating technology into curriculum and instruction relevant to high school science classes
<https://sites.google.com/site/scottorellisportfolio/>

Publications

Scott Orelli, Wenhua Jiang, Yongmei Wang. *Macromolecules* 2004, 37 (26), pp 10073–10078

Jesse Ziebarth, Scott Orelli, Yongmei Wang. *Polymer* 2005, 46 (23), 10450-10456

Research done at the University of Memphis as part of a Research for Undergraduates summer program sponsored by the National Science Foundation.

References

Elaine Ruppert
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Glenn McLaughlin
Chemistry/Physics Teacher
Methacton High School
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Heather Shaw
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