

EDUCATION

- **Master of Arts Liberal Science Studies** December 2007
Stony Brook University, Stony Brook, NY
Additional 24 credits in Geology.
- **Bachelor of Arts in Chemistry** June 2005
Stony Brook University, Stony Brook, NY

CERTIFICATIONS

- Professional Certification in Chemistry 9-12
- Professional Certification in General Science 7-12 extension

EXPERIENCE

- **Chemistry Teacher** Sept 2005 - present.
William Floyd High School, Mastic Beach, NY
 - General, Regents, honors, Advanced Placement chemistry, forensics grades 9-12
 - Technology coach for I-Campus, Canvas, Google Meets, and Zoom
 - Ambassador of the POGIL professional development workshops.
 - Created and hosting a website that includes all class materials
 - Implementing a flipped classroom using EDpuzzle, Google Suite, and Canvas
- **Stony Brook University Adjunct Professor** Sept 2017 - present
Stony Brook University, Stony Brook, NY
 - Instruct Methods II students pursuing a license to teach science
 - Grade lesson plans, work samples, and reflections on best practices
 - Employ pedagogical tools such as POGIL, Modeling, Literacy, and NGSS/NYSSLS
- **College Board Consultant** June 2017 - present
 - Advanced Placement Chemistry Exam Reader
 - Advanced Placement Chemistry Consultant
 - Framework Reviewer for the Pre-AP Chemistry program
 - Lesson Plan Developer for the Pre-AP Chemistry program
 - Professional Learning Developer for the Pre-AP Chemistry Program
 - Professional Learning Facilitator for the Pre-AP Chemistry Program
 - Distance Learning Support Developer for the Pre-AP Chemistry Program
 - Pre-AP National Faculty
- **New York State Master Teacher and Master Teacher Academy** May 2014 - present.
 - STEM curriculum development
 - Provide professional training for current and aspiring teachers
 - Founding member of Long Island Association for Chemistry Teacher Support

LEADERSHIP

- American Chemical Society (ACS) Pre-College Committee 2020 - present
- American Chemical Society Biennial Conference Committee 2022 - present
- Chemical Education Exchange Lead Contributor 2018 - present
- EDpuzzle Certified Coach 2017 - present
- Long Island Association for Chemistry Teacher Support Founder 2014 - present
- NGSS/NYSSLS district trainer 2017 - present
- NYSTCE/CST Item reviewer 2019 - present
- POGIL Facilitator 2017 - present
- POGIL Ambassador for William Floyd School District 2018 - present

- Pre-AP National Faculty (College Board) 2020 - present
- Technology faculty coach for William Floyd High School 2016 - present

AWARDS AND HONORS

- PAEMST New York State Finalist 2021
- Stony Brook University 40 Under 40 2020
- William Floyd Outstanding Educator Award 2019
- POGIL Peach Award (early achievement) 2019
- SCOPE Education Services Teacher Service Award 2019
- William Floyd Master Teacher 2017 - present
- AACT High School Teacher of the Year 2018
- Empire State Excellence in Teaching Award 2016
- New York State Master Teacher 2014

PROFESSIONAL AFFILIATIONS

- American Association of Chemistry Teachers (AACT): Member, author, presenter, peer reviewer
- American Chemical Society (ACS): Pre-college Committee, Biennial Conference Committee
- American Modeling Teachers Association (AMTA): Member
- BYJUS (Largest Education Company in India): Chemistry content editor
- Chemical Education Xchange (ChemEdX): Lead contributor to the online periodical for educators
- EDpuzzle: Pioneer Teacher, Certified Coach, content specialist
- Long Island Association for Chemistry Teachers Support (LIACTS): Co-founder and facilitator
- Journal of Chemical Education (JCE): Peer reviewer
- National Science Teachers Association (NSTA): Member
- PASCO Scientific: Textbook reviewer
- Process Oriented Guided Inquiry Learning (POGIL): Regional facilitator and committees member
- Remind: Connected Educator and Certified Trainer
- Science Teachers Association of New York State (STANYS): member
- Workman Publishing: "*Big Fat Chemistry Notebook*" content editor

TRAINING, PRESENTATIONS, CONFERENCES

- Biennial Conference on Chemical Education: Purdue University July 2022
- American Modeling Teachers Association Chemistry II Workshop July 2021
- Best of ChemEd 2021 (presenter) July 2021
- POGIL NCAPP Conference online June 2021
- Kami Certified Educator Levels 1&2 May 2021
- ChemEdX POGIL Assessments Webinar (presenter) March 2021
- Pre-AP Chemistry Virtual Professional Learning (presenter) July-November 2020
- American Modeling Teachers Association Chemistry I Workshop July 2020
- AACT Virtual Summer Symposia (presenter) July 2020
- Google Classroom Master Class June 2020
- Google Slides Master Class June 2020
- POGIL NGSS Webinar (presenter) February 2020
- ACS National Meeting: San Diego, CA August 2019
- NYSSLs training with Paul Anderson: Stony Brook University, NY July 2019
- ChemEd Conference: Naperville, IL (presenter) July 2019
- POGIL Northeast Regional Meeting: Boston, MA (presenter) July 2019
- AP Chemistry Reading: Salt Lake City, UT June 2019
- NYSTCE/Chemistry CST Item Reviewer March 2019
- STANYS Advisory Board Meeting: Albany, NY March 2019
- STANYS Annual Conferences: Rochester, NY (presenter) November 2018
- ACS National Meeting: Boston, MA August 2018

- Biennial Conference on Chemical Education: U. of Notre Dame, IN (presenter) July 2018
- POGIL North East regional Meeting: Manhattan College, NY (presenter) July 2018
- POGIL National Meeting June 2018
- AP Chemistry Reading: Salt Lake City, UT June 2018
- AACT POGIL webinar (presenter) March 2018
- STANYS Annual Conferences: Rochester, NY (presenter) November 2017
- AACT Flipped Classroom Webinar (presenter) October 2017
- ACS National Meeting Washington D.C. August 2017
- NYSSLS training with Paul Anderson: Stony Brook University, NY July 2017
- ChemEd Conferences: South Dakota State University, SD (presenter) July 2017
- POGIL North East Regional Meeting: Johns Hopkins University (presenter) July 2017
- POGIL NCAPP Conferences: Muhlenberg College, PA June 2017
- AP Chemistry Reading: Salt Lake City, UT June 2017
- STANYS Regional Conference: Brookhaven National Lab, NY (presenter) May 2017
- POGIL Facilitator Training Workshop: San Antonio, TX January 2017
- STANYS Annual Conferences: Rochester, NY (presenter) November 2016
- ACS National Meeting: Philadelphia, PA August 2016
- Master Teacher State Conference: Cortland University, NY (presenter) August 2016
- Biennial Conference on Chemical Education: U. N. Colorado, CO (presenter) July 2016
- Introduction to POGIL: Stony Brook University, NY May 2016
- STANYS Regional Conference: Brookhaven National Lab, NY (presenter) May 2016
- LISTEMA AP conference: Long Island, NY April 2016
- STANYS Annual Conferences: Rochester, NY (presenter) November 2015
- Master Teacher State Conference: Cortland University, NY (presenter) August 2015
- ChemEd Conferences: Kennesaw State University, GA July 2015
- BOCES iCampus Training: Mastic Beach, NY May 2015
- ASSET Conference on Educational Technology: Long Island, NY (presenter) March 2015
- Taft Educational Center Advanced AP Chemistry: Watertown, CT July 2010
- Taft Educational Center Intro AP Chemistry: Watertown, CT July 2009
- AP Chemistry Training: Hofstra University, NY August 2007

PUBLICATIONS

- *"Acid Base Speed Dating"* publication in Chem 13 News, February 2019.
- *"Reflections of an AP Chemistry Exam Reader"* publication in American Association of Chemistry Teachers (AACT), September 2018.
- *"Four Strategies for More Effective Labs"* publication in American Association of Chemistry Teachers (AACT), March 2017.