

Education:

Eastern Michigan University 1989
 B.S. *majors:* Mathematics and History *minors:* Chemistry and Geography

Texas A&M University-Commerce 1999
 M.S. in Chemistry

University of North Texas
 Advanced coursework in Chemistry Education

Certification:

Texas Provisional Secondary Certification Expires: Lifetime
Certifications: Chemistry, Life, Earth, and Physical Science,
 Composite Mathematics and Composite Social Studies

Kansas Professional License Expires: 4-19-2017
Certifications: Chemistry, Earth and Space Science, Mathematics, and History,
 Government and Social Studies

Michigan Professional Education Certificate Expired: 6/30/2007
Certifications: Chemistry, Science, Mathematics, and Social Studies

Teaching Experience:

August 2012 to Present	Parish Episcopal School (Dallas, Texas). High School chemistry teacher. Courses taught: AP Chemistry, Honors Chemistry and Regulars Chemistry.
August 2010 to June 2012	Dallas ISD. Lead AP teacher for the district. Duties include: Teacher of record for two classes, production of materials for other teachers, mentoring AP teachers in the district with the goal of improving student success on the AP Chemistry exam.
Jan. 2005 to June 2010	John Paul II High School (Plano, Texas) High school teacher and Science Department Chair. Courses taught: Chemistry, Pre-AP Chemistry, Advanced Placement Chemistry, Pre-AP Geometry. Duties included evaluation of teachers, master schedule, budget for department.
July 1998 to June 2005	Carrollton-Farmer's Branch ISD High school teacher. Courses taught: Chemistry, Pre-AP Chemistry, Advanced Placement Chemistry. Lead Chemistry Teacher Creekview H.S.
Sept. 1992 to June 1998	Garland ISD High school teacher. Courses taught: Chemistry, Advanced Placement Chemistry, Laboratory Management, Physical Science, and World Geography.
Sept. 1990 to June 1992	Gunter ISD Secondary Science Teacher. Courses taught: Earth Science, Life Science, Physical Science, Geometry, and Chemistry. Grades 7-12.
November 1989 to June 1990	Lansing Community College, Tutor for Science Concepts Center. Instructed students in laboratory experiments and physics concepts related to their assignments.
June 1989 to June 1990	Volunteer at Impression 5 Science Museum. Consulted with Visitor Service Staff to design a demonstration relating to the history of mathematics. Planned an exhibit on solar power.

Professional Experience:

- 2012-Present
- Cengage Publishing
- Co-Author of *Fast Track to a 5: AP Chemistry* (student test preparation book) to accompany Zumdahl Chemistry 10th Ed.
 - AP Chemistry reviewer of Zumdahl *Chemistry* 9th Ed. and 10th Ed. Reviewed textbook to check alignment to the AP Chemistry Curriculum Framework.
 - Wrote AP Multiple Choice questions to be included at the end of each chapter in Zumdahl *Chemistry* 9th Ed. and 10th Ed. and *Chemistry and Chemical Reactivity* by Kotz 9th Ed.
 - Wrote AP Free Response questions to be included in Zumdahl *Chemistry* 9th Ed. and 10th Ed. and *Chemistry and Chemical Reactivity* by Kotz 9th Ed.
 - AP Chemistry reviewer of *Chemistry and Chemical Reactivity* by Kotz 9th Ed. Reviewed textbook to check alignment to the AP Chemistry Curriculum Framework.
- 2011-Present
- Rice University
- Vertical team alignment facilitator for chemistry working with a program through Rice University for Houston ISD and for Humble ISD.
 - Instructor for on-line mentoring course for AP Chemistry.
 - Instructor for on-line vertical team and content development for Humble ISD.
 - Revised and wrote STEMScopes curriculum for high school chemistry and IPC (both TEKS and NGSS).
- 2012-Present
- McGraw-Hill Publishing
- Co-author of Onboard for AP Chemistry. Wrote and developed several modules for this program.
 - Wrote AP Multiple Choice and free-response questions for Silberberg *Chemistry* 7th Ed.
 - Wrote practice AP Chemistry exam for the 2013-14 version of the exam.
 - Free-Lance content reviewer and provided for various projects
- 2003 to Present
- College Board Endorsed Consultant
- Endorsed Consultant for Advanced Placement Chemistry, Pre-AP Chemistry, Vertical Teams in Science, Coaching and Energy Systems.
 - Presented at one-day and two-day College Board Conferences (average two per school year)
 - Consultant for week-long Advanced Placement Summer Institutes at various universities. Locations of workshops: Kansas, Wisconsin, Virginia, Mississippi, Minnesota, Arkansas, Oklahoma, New Mexico, New York, California and Texas. Average six APSI per summer.
 - Wrote syllabus for the revised AP Chemistry Course that is published as an annotated example on College Board's APCentral website
 - Consulted on material for *AP Insight*.
- 2010-Present
- Center for Educational Revision
- Mentoring Program. Served as mentor teacher to new AP Chemistry teachers in El Paso, Pasadena, Lubbock and Amarillo. Phone contact and in-person visits.
 - Confer Mentoring Program. Yearlong on-line mentoring for teachers. Webinar based support for teachers. Pre-AP and AP teachers.
 - Chemistry Team Leader for STAR Quality Chemistry and presenter. A program of 24 videos providing content and best practice strategies for teachers to improve student performance on the STAAR Chemistry End of Course exam in the State of Texas.

Professional Awards:

2012 National Math and Science Initiative All American Teacher of the Year for Science in the State of Texas

2012 Werner Schultz Award for Outstanding Chemistry teachers, American Chemical Society DFW Section

2008 Work of Heart Award (Diocese of Dallas)

2003 Radio Shack National Teacher Award Winner

2003 Association of Texas Profession Educators Grant for Teaching Excellence Award

2000 Texas Chemistry Teacher of the Year, Associated Chemistry Teachers of Texas

1998 VIP Award from Carrollton-Farmers Branch ISD

1996 Wal-Mart Teacher of the Year

1995 Teacher of the Year for Garland ISD

1995 Teacher of the Year for South Garland High School

Publications:

Abronowitz, T. and Jones, K. Fast Track to a 5: AP Chemistry. Cengage Publishing, 2018

Abronowitz, T. "Worksheets and Experiments for High School Advanced Placement Chemistry" M.S. Thesis, Texas A&M University-Commerce 1999

Abronowitz, T. AP Chemistry Study Materials. Wylie, Texas: By the author, 2012

Abronowitz, T. Lecture Notes, Practice Problems and AP Questions for AP Chemistry. Wylie, Texas: By the author, 2012

Abronowitz, T. Laboratory Manual for AP Chemistry. Wylie, Texas: By the author, 2012

Other Recognitions:

Named as one of the top 35 educators in the state of Texas by Dorothy McConachie author of the book *Top Texas Teachers* (McConachie, Dorothy *Top Texas Teachers* Republic of Texas Press, 2002)

Named to Who's Who Among America's Teachers 1996, 2007

Nominated: Disney's America Teacher's Award 2001

Nominated: Texas Excellence Award for Outstanding High School Teachers, 1996

Nominated: Reader's Digest Unsung Heroes in American Education Award 1994 and 1996

Nominated: Presidential Award for Excellence in Science and Mathematics Teaching for 1994

Nominated: Catalyst Award for Outstanding High School Chemistry Teachers, 1994 and 1996

Professional Activities:

Associated Chemistry Teachers of Texas (ACT₂) Biennial Conference (2005): Coordinated the registration process for the conference. Also presented workshops related to student success on the TAKS test and AP Chemistry exam.

Presented workshop at the Southwest Regional Meeting of the American Chemical Society in 2004 entitled Using Movies to Teach the Global Learner.

Presented various workshops at the Science Teachers Association of Texas (STAT) Conference for Advancement of Science Teaching (CAST) in 1994, 2004 and 2006.

Attended three College Board Five-day Summer Workshop for Advanced Placement Chemistry as a participant, latest 2001.

State of Texas Chemistry Textbook Adoption Committee 2001

Author of Advanced Placement Chemistry Laboratory Manual.

Author of Advanced Placement Chemistry Study Material review book.

Wrote Chemistry-I and Advanced Placement curriculum for Carrollton-Farmers Branch ISD as well as Garland ISD.

Wrote demonstration packet for Van de Graaff generator.

Attended National Science Teachers Associations national convention in 1998 and 1993.

Attended STAT CAST in 1993 and 2000.

Presented a workshop on the Van de Graaff generator at the Region Ten mini-CAST in 1993 and 1994.

Board of Directors for Region Ten mini-CAST conference for 1994 and 1995. Chairperson of the Luncheon Speakers Committee.

Certified water quality monitor and trainer for the Texas Watch program. This allowed me to train and certify my students to participate in the Texas Watch Program while I was at South Garland High School.

Attended the Texas Energy Science Symposium, 1990 and 1993.

School Activities:

Train students to perform a traveling science show, 1995 to 2005.

Academic Decathlon lecturer for science 1992 to 1998.

Sponsor of US FIRST Robotics competition team (1996 and 1997).

Odyssey of the Mind (1996).

Co-sponsor of National Honor Society (1995 to 1998).

Class of '96 sponsor (1992-96).

Announcer for basketball games, half time shows and emcee for pep rallies (1992 to 2009).

University Interscholastic League sponsor for Science 1990 to 2005.

Speech and Interview Judge for Academic Decathlon 1992 to present.

Speech Judge Health Occupation Students of America.

Speech Judge for Business Professional of America.

Administrative Activities:

Sponsor of Academic Honor Code, Creekview High School and Parish Episcopal School and Coordinator of Academic Honor Code at John Paul II High School: Developed, implemented and maintained a school-wide Academic Honor Code; interview students to determine violation of AHC and determine discipline. Coordinated hearings of the Academic Honor Council to determine if a violation of the honor code occurred.

Gym Manager/Administrator on Duty (South Garland High School and John Paul II High School): Duties include coordinating with officials, visiting teams, security, workers at the games and handling the proceeds from the gate.