

TAMELA TRUSSELL

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EDUCATION and certifications

M.A. Science Education

Virginia Tech, Blacksburg, VA, May 1993

Bachelor of Science Education

New Mexico State University, NM, May 1991

PA State, Type I, Secondary Biology and General Science Teaching Certificate, 1997

WA State, 4-12 Science Teaching Certificates, 1994

VA State, General Science II and Chemistry Post Graduate Teaching Certificate, 1992

NM 1991, 6th-12th Science

TEACHING EXPERIENCE

Long Term 7th Grade Life Science Substitute Teacher – Design & implement lessons. Prepare students for various standardizes test. Designed enrichment lessons to support NGSS standards through relevant PA environmental content.	2018
Founder and Principle Educator of TLC Education, www.trussell.info - Education dedicated to experiential learning through investigative, interactive, and interdisciplinary courses, camps, field trips, and sports programs that promotes civic action and a sense of community. <ul style="list-style-type: none">• Principal Programs Coordinator• Website and Social Media Designer• Principal Curriculum Developer• Lead Instructor for all K – 12 science programs• Founder/Head Coach/administer for Carlisle Canines Soccer Team• Financial manager• Head Communications Director• Marketing Director	2014-Current
Chemistry and Environmental Science Teacher , Central PA - Shiremanstown Co-op and TLC Education. Choose online management system: Canvas. Choose textbooks and numerous resources to design individual curriculum that met the goals of every student. Teach students and establish communication with every parent about student goals and progress.	2016-2017
Substitute Teacher , Carlisle Area School District. All subjects and grades. May 2014 – 2016	2014-2016
Creator & Coach of Home School Co-ops – for youth in South Central PA. Established numerous co-ops with 3- 50+ families. Taught all Sciences, Art, PE and robotics for ages 3-19 yrs. old.	2002-2011
Bellevue Community College Instructor, Biology and Nutrition , October 1994 – 1996, Bellevue, WA Teach Biology and Nutrition. Developed syllabus, overall course structure and grades.	1994- 1996
Substitute Teacher, 6th thru High School In greater Seattle, WA and 7 surrounding school districts	1994-1996
Chemistry and Physical Science Teacher, 8th, 10th-12th grades Roanoke, VA - Teach Chemistry and Physical Science, developed syllabus, overall course structure and graded	1994
Honor Biology Teacher, 10th grade Christiansburg, VA - Teach youth Honors Biology, developed syllabus, overall course structure and graded.	1993
Substitute Teacher, 6th thru High School Blacksburg, VA - school district MS-HS grades	1991-1992
Student Teacher Life Science, 7th thru High School Las Cruces, NM - Teach youth Life Science, developed syllabus, overall course structure and graded. Integrated eighteen ESL students into the classroom learning.	1991

VOLUNTEERING RELATED EXPERIENCE

Boy Scouts of America, Venture Crew Adviser Create Leaders by assisting the youth in creating an organized group with leadership positions and tasks to accomplish. i.e. Fundraising, Service, Events, Recruiting, High Adventure	2012-2014
Founder & Principle Volunteer Educator of TLC Foundation <ul style="list-style-type: none">➤ Carlisle Canine Soccer Team 5 yr – 18 yr. old participants➤ Crazy Olympic Field Day, Over 260 participants	2003 - Current

- Canine C# (Formerly MRI 1st Robotics)- programing language
Design, organize and instruct all the above programs.

TRAINING AND CERTIFICATES

- **Act 48 courses and other Teaching continuing education training:** Over 235 Act 48 cr. hr. plus numerous camps, workshops, conferences, symposiums taken without credit beginning in 2016.
 - Mechanicsburg: Bringing Your Watershed into the Classrooms (Chesapeake Bay Foundation), Audubon PA - Using the environment to teach science, math, reading and writing, Using Citizen Science to teach Science, Environment, Math and Reading, Safe Crisis Management. Introduction into SAS, Advanced Wild - Wild About Waterfowl, Project Learning Tree, Advanced Wild: Bring Out Your Dead, WILD about Endangered Species, Project WET Educator Workshop ,PCD Educator in the Workplace Session 3: Central Penn Panel Discussion on Apprenticeship, Pennsylvania's Biodiversity at ZooAmerica, Peregrine Falcon Educator WILD in The City workshop, WILD About Wetlands, PHAA Pennsylvania Homeschoolers Accreditation Agency Home School Conference, Environmental Studies Teacher Workshop, Discovery Ed for Teachers: Teaching, Learning, and Leading in a Digital World, Keystone Energy Education Program Workshops, PA Songbirds State Museum of Pennsylvania, Mandated Reporter (Act 126) Training, Pennsylvania conservation legends Gifford Pinchot and Mira Lloyd Dock, Watershed Decisions Workshop, *2015 MTSS UNConference!*, Mariner East Organizers Summit, PAESTA Conference, Healthy Water, Healthy People, BioBlitz, 2015 Biotechnology Conference at Lycoming College, Catalyst IV STEM (Penn St.), Bringing Your Watershed into the Classrooms, Teachers on the Estuary: Data Edition In partnership with Chesapeake Bay NERR-MD and NOAA, Owls: Raptors of the Night, Healthy Water, Healthy People, and WILD About Animal Tracks... WILD About Bears , Hawk Mt. Kempton, Susquehanna Watershed Tour, Pennsylvania's Waterways: Real Change, Real Connections, Dive Deeper III Youth Water Educators Summit, ENERGY & ENVIRONMENT CONFERENCE: GLOBAL WARMING ALERT!, WOW! Wonders of Wetlands, Central PS GIS Day, Educator Workshop on the River: Focus on Adaptations, Project Learning Tree (PLT), Using the Environment for Real World Learning, For Our Future: Carbon Reduction Energy Path 2017 Energy Camp: Micro Hydro, PA State Library Maker Space, Performance Assessments in the NGSS Classroom: Implications for Practice Daily Digest Developing Instructionally-Embedded Performance Assessments for the NGSS., A Close Look at the Sanford Inspire Domains: Planning and Delivery, Introductory Course in Data Interpretation, and others.
- **Other Certification and Training:** CPR, Safety Afloat, Swim Safe, Venturing Leadership Training, Youth Protection Training, University of Scouting, must Haves' for Successful Fundraising, Project Wild, Energy Cubed, Stephen Ministries,

COMPUTER SKILLS

Organize and run TLC Foundation and TLC Education programs and create and design educational lessons, forms, and tests by using Microsoft Word, Excel, One Note, Power Point, Publisher, Access, Wiggio, Wufoo, Adobe Photo Shop, Word Press and Xara Website design. There are numerous educational programs and websites I use as well, such as Canvas, Explore Learning and many more.

MEMBERSHIPS

Chesapeake Bay Foundation, PAEE, PA Association of Environmental Educators, PAESTA, PA Earth, Conodoguinet Creek Watershed Association, Audubon, Penn Environment, WWF, The Nature Conservancy, Sierra Club, Climate Reality, Science Teachers Association, WITF, NSCAA National Soccer Coaches Association Of America, International Society for Technology Education, Pennsylvania Technology Student Association.(PATSA), Technology and Engineering Education, Learning Science and Learning Community Environment, Ecology Learning Community , Mariner East Organizers