

Caitlin R. Teti

Education Program Specialist

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PROFESSIONAL EXPERIENCE

EBERLY COLLEGE OF SCIENCE OFFICE OF SCIENCE OUTREACH

University Park, PA

Education Program Specialist

2020-Present

- Coordinates and manages all aspects of development and delivery of year-round, STEM-based educational and experiential programs for K-12 audiences, undergraduate and graduate students, and members of the public (Including Science-U Summer Camps, annual attendance of 500+ K-12 students and 40+ summer staff)
- Build, maintain, and expand a robust community comprised of diverse stakeholders to achieve programmatic goals, including faculty, Penn State students, University departments, and local organizations
- Recruits, trains, and helps manage a variety of staff, including seasonal employees, work-study students, and volunteers, ensuring diverse representation and youth safety and compliance
- Create and maintain databases and spreadsheets for tracking volunteer and participant engagement and program feedback; assess impact, prepare reports, ensure retention, and adjust operating procedures accordingly
- Develop and manage budgets for ongoing programmatic efforts, including applying for external funding
- Assisted faculty, students, and staff in preparing broader impacts statements for NSF grant applications

Selected Project Experience

- **Virtual Science Festival:** Designed a website and developed a free virtual resource that features dozens of Penn State scientists sharing video demonstrations and activities that students, parents, and teachers can use. Site has had over 10,000 engagements.
- **Nature Explorers:** Developed curriculum and fully implemented an experiential, inquiry-based environmental education program for 2nd through 4th graders. Through grant funding, the program has expanded to include real water quality data collection through citizen science. The program has hosted 240 participants since its inception and scored an average of 9.2/10 overall on feedback surveys.

NASA PENNSYLVANIA SPACE GRANT CONSORTIUM

University Park, PA

Education Program Specialist

FULL TIME 2019-2020, PART TIME 2020-Present

- Led the development and implementation of new and present outreach programs for K-12 students, in-service K-12 educators, higher education students, and the public
- Helped manage a \$750,000 yearly budget and made decisions on which projects to fund
- Managed data to communicate effectively in a range of formats, including spreadsheets, reports, and presentations, to communicate progress of office's strategic goals and how work aligned with NASA's mission

Selected Project Experience

- **Apollo 11 50th Anniversary Events:** Developed a movie showing, NASA astronaut speech, robotics competition, and community rocket launch in honor of the 50th anniversary of the Apollo 11 mission. The events had over 800 participants, was featured on multiple news outlets, and scored an average of 4.4/5 on feedback surveys.
- **NASA PA Space Grant Fellowship Program:** Expanded the NASA fellowship program at Penn State, including the recruitment and retention of historically underrepresented groups in STEM, developing and implementing professional development and networking opportunities, and creating a robust science outreach and communication requirement for funded students to share their research with the broader community.

SPRING CREEK WATERSHED COMMISSION

State College, PA

Watershed Coordinator

2018-2020

- Devised watershed operational improvements to achieve identified supply and conservation goals

- Proposed changes to water resources management to community organizations, public interest groups and government agencies to solidify backing
- Planned and facilitated public forums on the Spring Creek Watershed Update Project
- Designed website and promotional materials
- Planned, took minutes, and led presentations for Commission meetings

SHAVER’S CREEK ENVIRONMENTAL CENTER

Petersburg, PA

Education Program Assistant

2018-2019

- Served as Director-On-Duty for Penn State's "Outdoor School", a residential science camp for 5th graders
- Conducted data analysis and crafted reports / spreadsheets on program feedback
- Developed and implemented educational programs for undergraduates students and the public
- Designed marketing strategies and materials

PENNSYLVANIA STATE UNIVERSITY

University Park, PA

Various Informal Education Positions

2016-2018

- Director, Science-U Summer Camp - Nature Explorers
- Curriculum Mentor, Science-U Summer Camp
- Naturalist, Shaver’s Creek Environmental Center
- Environmental Education Intern, Shaver's Creek Environmental Center

EDUCATION

MASTER OF EDUCATION IN CURRICULUM AND INSTRUCTION

Pennsylvania State University

- 4.00 GPA
- Research (Tentative): Longitudinal Tracking of the Impact of Science-U on Past Summer Camp Participants

Expected 2024

MASTER IN ECOSYSTEM MANAGEMENT AND ADMINISTRATION

Pennsylvania State University

- Graduated summa cum laude, 4.00 GPA
- Research: Moving the “One Water Plan” Forward: Collecting Vital Data through a Stakeholder Analysis for the Spring Creek Watershed Commission’s Integrated Watershed Management Plan

2021

BACHELOR OF SCIENCE IN EARTH SCIENCE AND POLICY

Pennsylvania State University

- Minor in Geoscience

2017

SKILLS

Program Implementation and Evaluation – Curriculum Development and Analysis | Youth Safety and Compliance | Broader Impacts | Project Management | Recruitment / Retention of Underrepresented Groups in STEM | Stakeholder Engagement | Program Evaluation and Improvement | Report Writing | Creative Program Design
Leadership and Teaching – Staff Supervision | Staff Training Development | Strategic Planning | STEM Outreach to Various Audiences | Science Pedagogy | Undergraduate and Graduate Course Development
Design and Social Media – Wix | Wordpress | Canva | Facebook | Instagram | Twitter | TikTok
Productivity and Administration – Grant Writing | Microsoft Office | Qualtrics | Slack | Survey Development
Personal Skills – Verbal and Written Communication | Public Speaking | Desire to Learn and Improve | Organization | Problem-Solving | Teamwork | Goal-Setting | Strategic Leadership | Adaptability

AWARDED GRANTS

- **Department of Environmental Protection Environmental Education Grant (07/2021 - 06/2022):** Expanding Water Quality Testing at Penn State's "Nature Explorers" Summer Camp
- **Department of Environmental Protection Environmental Education Grant (07/2022 - 06/2023):** Eco Expeditions Science-U Summer Camp

TEACHING EXPERIENCE AT PENNSYLVANIA STATE UNIVERSITY

- **SC 451** - Science Outreach and Communication for Graduate Students (Spring 21, Spring 22, Spring 23)
- **SC 294** - Intro to Science Outreach and Communication (Fall 20-Spring 23)
- **SEN 101** – Student Engagement 101 (Fall 22, Engagement Coach)
- **RPTM / SCIED 140** - Outdoor School Field Experience (Fall 18, Spring 19)
- **RPTM 240** - Instruction and Leadership in Environmental Education (Fall 18, Spring 19)
- **EARTH 111** – Water: Science and Society (Fall 17, Teaching Assistant)

INVITED TALKS

- **When Everything is Critical, Where do I Start?: How to Successfully Design and Implement a Youth Program** – Penn State Youth Director’s Meeting (Upcoming)
- **How to Effectively Turn Your Research into Science Outreach** - 2023 Graduate Women in Science National Conference (Upcoming)
- **Recruiting and Training Excellent Summer Camp Staff** – 2023 American Camp Association National Conference
- **ECOS Office of Science Outreach: Who We Are and How We Can Help You** – 2023 Earth and Mineral Sciences CAREER Grant Coaching Program
- **ECOS Office of Science Outreach: Who We Are and How We Can Help You** – 2022 Eberly College of Science New Faculty Orientation
- **Putting the "Outreach" in Science Outreach: How to Effectively Communicate Science Through Outreach Activities** - 2022 "SciComm-U" Science Outreach and Communication Conference
- **Turning Participants into Scientists: How to Incorporate Citizen Science into Environmental Education Programs** - 2022 Pennsylvania Association of Environmental Educators Conference
- **Moving the “One Water Plan” Forward: Collecting Vital Data through a Stakeholder Analysis for the Spring Creek Watershed Commission’s Integrated Watershed Management Plan** – 2021 Spring Creek Watershed Commission Meeting
- **Spring Creek Watershed Commission: Who We Are and Our One Water Plan** – 2019, 2020 Guest Lecturer for GEOG 308: Research and Qualitative Inquiry in Geography
- **Apollo 11 50th Anniversary Rocket Launch: Multi-Level Engagement** - 2019 Mid-Atlantic Regional NASA Space Grant Consortia Meeting
- **STEM Pillars Augmented and Mobile Learning Research Group: Water Quality in My Community** – 2018, 2019 STEM Professional
- **Earth and Mineral Sciences Exposition** – 2016, 2017 Featured Speaker

HONORS AND CERTIFICATIONS

American Camp Association Camp Director Certificate – Fall 2022

Wilderness First Aid (WFA) Certification – Fall 2018

First Aid / CPR Certification – Fall 2018

Project WET Curriculum Certification – Fall 2016

Project WILD Curriculum Certification – Fall 2016

Dean’s List – Spring 2016, Fall 2016, Spring 2017, Fall 2017

Professional Chemistry Society Scholarship – Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2017

COMMITTEES

Sustainability Council, Eberly College of Science – 2021 – present

Penn State Youth Program Council – 2022 – present

Youth Safety and Compliance Huddle Planning Committee – 2021 – present

Sustainability Council, College of Earth and Mineral Sciences 2019-2020

Staff Advisory Committee, College of Earth and Mineral Sciences – 2019-2020