

Dana Russell

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Education

Temple University, BS in Biology with Teaching through the TUTeach Program- *Magna cum laude* in May 2017
Penn Graduate School of Education- Project-Based Learning Certificate Program in August 2020
Michigan State University- Masters in Educational Technology (Expected Graduation Date August 2022)

Certifications

Pennsylvania Instructional I Certification with Endorsements in Biology (7-12) and Chemistry (7-12)
Project-Based Learning (University of Pennsylvania)
Educational Technology (Michigan State University)

Education Experience

Teacher, New Foundations Charter School: May 2017-Present

Principal: Fran Daly (fdaly@newfoundations.org)

Taught Biology (2017), Forensics (2017), Environmental Science (2017-present), and Marine Biology (2018-present) to students grades 9-12 focusing on the development of 21st Century Skills. Coordinated after school programs, including a Science Olympiad team, an Environmental Club, and an Environmental Sculpture club in conjunction with the art program. Facilitated a series of student-lead booths at NFCS STEAM Night and at the Philadelphia Science Carnival. Facilitated student-lead public service projects, including a student project to make the materials used in the lunchroom more sustainable, a project in which students created a sculpture from discarded goods, and a project in which students participated in a youth climate strike and organized a school walkout. Develop tech professional development opportunities and advocate for more tech access as school as an appointed Technology Liaison. Helped facilitate the transition to online learning at the onset of the COVID-19 outbreak and provide sustained training and support throughout the 2020-2021 school year.

Adjunct Professor, Temple University: June 2018-Present

Associate Dean of Science Education: Dr. Susan Jansen Varnum (susan.varnum@temple.edu)

Co-taught a class for pre-service and in-service teachers on the use of computer programming in STEM classes to increase technology literacy and critical thinking skills in students as a part of the [ComputeSTEM Initiative](#) (2018-present). Developed virtual reality STEM education programs to be implemented with students K-12 (2018). Developed two summer camps in which students 6-8 learned how to code and produced code based on science experiments performed in camp (2019). Taught at and coordinated a virtual STEM summer camp for 130 high school students (2020).

Educator, Academy of Natural Sciences of Philadelphia: August 2014-Present

Program Directors: Mary Bailey (myb45@drexel.edu)

Developed curriculum guides for students K-9. Develop day-to-day public education activities. Taught a variety of biological concepts using object-based interpretation and inquiry techniques to audiences of all ages and abilities.

Other Accomplishments

- Developed a blended learning teacher PD for use in the National Estuarine Research Reserve System (2016)
- Studied the impacts of ocean acidification on deep sea corals in the Gulf of Mexico (2014-2015)

Additional Accolades

- Teacher In The Workplace STEM Fellow (2018-2019)
 - Work-Based Learning Fellowship
- ETS Recognition of Excellence Award for Biology (2017)
- 2015 Ernest F. Hollings Scholar
- Temple Presidential Scholar