

Paul Shircliff

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Education :

Kent State University

Master of Arts Secondary Education

May 1995

University of Toledo

Bachelor of Science, Engineering Physics

June 1989

Licensure

Ohio 7-12 Physics and Mathematics

current

Employment :

Cuyahoga Falls School District - 7th & 8th grade Science (long term sub)

November 2020-June 2021

- *Taught 7th and 8th grade science remotely, hybrid & face to face* : Created 7th & 8th Grade Science Learning Experiences. Utilized a variety of tools and resources to create a multitude of learning activities & projects so students experienced different ways to learn and demonstrate learning in remote, hybrid, and face to face settings.

1stMakerspace, Fishers, IN -

Summer 2020

- *Remote learning courses* : Created presentations and course material for coding robotics course and Makerspace Manager course ; directed and supported online courses
- *Product & tutorial videos* : created assembly and how to videos for STEM kits and makerspace tools

Walsh Jesuit High School, Cuyahoga Falls OH - Physics, Coding-Robotics

2017-2018

- *Created Coding-Robotics Curriculum* : Set up framework for projects and purchased materials for students to experience a variety of coding platforms and hardware. Started C-R Club in the same vein.

Buckeye Local Schools, Medina OH - Physical Science, Algebra, Physics, Geometry, STEAM

2002-2017

- *Made Science and Mathematics more practical and relevant to students* : Incorporated Project Based Learning, digital tools, and Maker ideas to classes. Started a STEAM (Science Tinkering Engineering Aesthetics Mathematics) elective at the high school and Project Lead The Way at the junior high. Through these, students applied concepts in a hands on, multidisciplinary way.
- *Shared current and cutting edge technology with the students* : Brought in drones, 3D printing , GoPro's, 360° camera, wearable technology, and various digital tools for students to explore as part of Science and Mathematics curriculum as well as possibilities for other courses of study.

- *Created communication opportunities in the school and district:* Brought in Google Apps for Education, ran message televisions in high school cafeteria, upgraded sound and lighting systems in the high school auditorium, video recorded various fine arts events for district cable station and provided DVD's for the advisors and students.

Woodridge Local Schools, Cuyahoga Falls OH - Algebra, Physics 2001-2002

- *Member of grant writing team :* Through this grant, technology was purchased and integrated into the curriculum of 5 pilot teachers

Stark State College, North Canton OH - Algebra, Physics, Environmental Science 1996-2001

- *Created a digital Environmental Science course resource book :* As the world became more computer based, an easily editable and printable version of resources was needed

PRC Inc, McLean VA - Nuclear Power Plant Consulting Services 1990-1993

- *Compiled Vendor Manuals and Master Equipment Lists for Power Plant Maintenance*
Taught myself Structured Query Language (SQL) to optimize database searches for myself and coworkers

Professional Training, Learning and Membership :

Presentations : "Maker Centered Learning in any classroom" STEM Summit Toppenish WA (virtual), OETC22 (recorded); "MakerSpaces - not just a room in your building" at NEOTIE in Beachwood OH , MACUL in Detroit MI, SPARCC in North Canton OH, Ohio Tech Summit, Westerville OH. "Physical Computing with micro:bit" at APS3T in Akron OH, Ohio Tech Summit, Westerville OH. "Student Voices & Screencasting", "Wearables - aka who doesn't need a light up tiara", "The Educational Vision of Calvin & Hobbes" ,"Blended & Personalized Learning"at PodStock in Wichita, KS. "Tweet yourself right" at Medina County Educators Symposium, Medina County Career Center, Medina OH.

Attended : PodStock, International Society for Technology in Education, Northeast Ohio Technology Innovators in Education, EdCamp Cleveland, Michigan Association for Computer Users in Learning, North Carolina Technology In Education Society, Future of Education Technology Conference, EdCamp Leader Ohio, Google Geo Teachers Institute, OETC, NEONET, APS3T, FabLearn, Nation of Makers, ChattFab Institute, FABPLAY, DigiFabCon, Learning Innovations, Teach Better, Ohio Tech Summit

Regularly track : #MakerSpace #STEM, #MakerEd on twitter