

DR. LEONARD SHEEHY EdD

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Educational Technology Leadership

PROFILE

- Educational professional offering over two decades of experience in developing and implementing instructional techniques, activities, and demonstrations in the fields of technology and science to facilitate the growth and development of students and teachers including; Robotics, 3D printing, CNC, Chemistry/Physics, Computer Science.
- Excel at planning and managing lesson plans to maximize productivity and efficiency while achieving critical goals
- Integral leader with dynamic communication and interpersonal relation skills with a continual commitment to providing valuable teaching methods and experiences to students; capable of training teachers and staff on innovative technological strategies

PROFESSIONAL BACKGROUND

SUPERVISOR/COMPUTER SCIENCE PROFESSOR, Sussex County Community College 2019 – Present

- Supervisor of Robotics and MakerSpace programs. Chemistry Lead Professor. 3D printing, CNC, Robotics, Laser Engraver, CAD, Programmable Logic Controllers.
- Provide instruction/certification on cutting edge technologies to undergraduate students in a practical, hands-on environment to prepare students to be lifelong learners in advanced technological fields.
- Effectively prepare and deliver captivating lectures to undergraduate students in a nurturing and enthusiastic environment. Compile, administer, and grade practical examinations. Recruit and advise students to become motivated members of today's workforce.
- Research, plan, evaluate, and revise curricula, content, course materials and methods of instruction ensuring students are provided with state of the art education.
- Provide Professional development to area High School teachers in a wide variety of technologies.

LEARNING SPECIALIST, Eduscape 2019 – 2020

- Create and deliver captivating professional development to inspire teacher growth and effectiveness for diverse educational technologies applied to cross curricular activities
- Interdisciplinary curriculum development for programs designed to motivate and reveal emerging technologies for teachers and children in academic settings

TEACHER, Randolph Township Schools 2000 – 2019

- Successfully develop and implement engaging curriculums to encourage student growth and learning for various classes, including Programming, Robotics, Crime Scene Investigation, and Science
- Consistently research new instructional techniques and software applications instrumental for student preparation
- Integrate technology into the classroom by applying Virtual Reality systems into lesson plans, as well creating a website with videos and activities to aid in classroom instruction
- Actively assist in updating administration and teachers on new curriculums, technology, and education theories to encourage staff development
- Serve as a supervisor for a cross-curricular team of teachers; employ "Target" awards to promote great work ethic
- Productively identify, address, and resolve any issues among students or teachers

PROGRAM DEVELOPER/INSTRUCTOR, United States Army; Picatinny Arsenal 2013 – 2019

- Create and apply innovative lesson plans and activities in accordance to engineer / scientist programs
- Collaborate with US Army personnel in discussing curriculum strategies that encourage student development
- Coordinate and manage showcases to present student accomplishments

SPECIAL PROGRAMS DIRECTOR, College Gifted Programs 2002 – 2004

- Oversaw a summer camp with gifted students of all ages, ranging 4th through 12th grade
- Efficiently trained, scheduled, and motivated house-masters, resident assistants, and counselors
- Proactively scheduled events, trips, and entertainment to provide students with an educational and fun experience

DEMONSTRATOR/CURRICULUM CONSULTANT, Liberty Science Center 1994 – 2003

- Prepared and performed entertaining and educational science demonstrations for up to 500 people

ACTIVITIES

Fraser's Mathematics Solutions 2024

- Provide captivating and academically relevant instruction using Sphero Bolt Robots to inner city students

STEM DAY COORDINATOR, Sussex County Community College 2018 - Present

- Successfully designed, planned, and managed a “Technology Day” for area high schools to educate and excite students about robotics, software development, and problem solving; supervised ten Professors/Activities for 150 students.

LEGO MASTER EDUCATOR

2018 - 2022

- Effectively identify, promote, and empower educators with missions to provide meaningful learning experiences
- Teach and mentor students to gain the skills and courage necessary to innovate
- Frequently seek passionate teachers who were willing and eager to share their practices and creative ideas

YMCA Golf Outing

2023

- Successfully raised over \$40,000 for non-profit organization.

EDUCATION

Doctorate of Educational Technology Leadership, New Jersey City University; 2017

Master of Arts in Chemistry Education, Fairleigh Dickinson University; 1999

ADDITIONAL TEACHING EXPERIENCE

Computer Instructor, Gibbs College, Montclair, NJ

October 2002 – December 2002, September 1999 - June 2000

Teacher of Excel, Contemporary Office and other classes to post secondary students in a degree program.

Computer Instructor, The Consortium, Randolph Township Board of Education, Randolph, NJ

September 2003 - June 2005

Develop and teach computer classes for staff development. Advised management on technology. Educational and administrative application development. Installation and maintenance of software on Personal Computers.

Computer Instructor, Ocean County College, NJ

February 1998 – June 1999

Provided Computer Instruction to Lucent Technology employees.

Science/Math Teacher, Saddle Brook Board of Education, Saddle Brook, NJ

September 1997 - June 1998.

Provided Mathematics and Science instruction to 7th and 8th grades in block schedule. Curriculum development.

Science Laboratory/Computer Teacher, Maxson School, Plainfield, NJ

September 1994 - June 1997

Provided hands-on science and computer instruction to seventh and eighth grades.

Computer Instructor, Matheny School, Peapack, NJ

August 1992 - August 1993

Advised management on technology. Educational and administrative application development. Installation and maintenance of software on Personal Computers.

Computer/Math/Business Instructor, The Cittone Institute, Edison, NJ

February 1993 - September 1993

Provided math and business instruction to high school graduates.

CERTIFICATIONS

- National Coalition of Certification Centers (NC3), Tormach, XS CNC Router, 2024
 - NC3, Tormach, 24R CNC Router, 2024
 - Universal Robots, Core Training, UR3e, 2024
 - NC3, Fundamentals of PLCs, Allen Bradley, 2023
 - NC3, Fundamentals of Sensors, Allen Bradley, 2023
 - Trimech, Solid Works CAD software, 2022
 - NC3, Mechatronics/Festo Robotics, 2022
- US Army/Montclair State University, CAD/Additive Manufacturing, 2019

- Microsoft Office Specialist; 2019
- University of Michigan, Everyday Programing with Python; 2019
 - University of Michigan, Using Databases with Python; 2019
- University of Michigan, Using Python with Access to Web Data; 2019
 - Common Sense Media, Digital Literacy & Citizenship
 - New Jersey Supervisor; 2003
 - New Jersey Elementary Teacher; 1994