

John Diego Arango



DEVELOPING A GROWTH MINDSET



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East Providence, RI 02914

EDUCATION

B.S. Technology Education

Rhode Island College, Providence, RI

Certification: Technology Education K-12

Endorsement: ESL

2021

M.S. Communications Technology

Rhode Island College, Providence, RI

Thesis: *"The Accessibility of Educational Content in the Online Context"*

1997

B.S. Industrial Technology

Rhode Island College, Providence, RI

Minor: Studio Art

1994

PROFESIONAL DEVELOPMENT

- Learn Google Classroom
lynda.com
- Google Apps for Educators
lynda.com
- Google Drive Essential Training
lynda.com
- Google Groups Essential Training
lynda.com
- Blackboard
RIC
- Creative Design
Adobe Suite of Products

TEACHING

I foster a **bridge** to integrate academic content with **meaningful projects** and a relevant and engaging **curriculum**.

"As Amelia Earhart said, 'Adventure is worthwhile in itself.' My philosophy of education blossoms from my belief that every action as a teacher and faculty member reflects my broader educational mission of innovative teaching, learning, and collaboration. I study and research best practices to inspire holistic understanding and to influence social education, leadership, and social justice."

CURRENT POSITION

PLTW AND TECHNOLOGY EDUCATION TEACHER

NORTH SMITHFIELD HIGH SCHOOL | JAN. 2024–PRESENT

As a PLTW teacher, I help students gain crucial technical skills and encourage creative problem-solving in today's digital world. Through hands-on learning, I guide them to navigate and innovate within modern technology.

TEACHING EXPERIENCE

DIRECTOR OF STEAM PROGRAM

LINCOLN SCHOOL | JUL. 2021–JAN. 2024

- Grow creative and visionary ideas in science, technology, engineering, arts+design, and mathematics (STEAM) education.
- Promote inquiry, collaboration, and an emphasis on process-based learning at the heart of the STEAM approach.
- Utilize and leverage the integrity of the arts is the essence of an authentic STEAM initiative.

ASSOCIATE PROFESSOR (promotion and tenure granted, spring 2011)

HENRY BARNARD LABORATORY SCHOOL | JAN. 2006–PRESENT | PROVIDENCE, RI

- Technology Education and STEAM Teacher
- Department Chair, Henry Barnard Laboratory School
- D.A.C Faculty, Henry Barnard Laboratory School
- Council of Rhode Island College; At Large.
- Department Technology Liaison

ADJUNCT PROFESSOR

RHODE ISLAND COLLEGE | SEP. 2006–MAY 2018 | PROVIDENCE, RI

Technology Education Undergraduate Courses

- TECH 407- 01; Practicum in Elementary Technology Education (K-6)
- TECH 408- 01; Practicum in Elementary Technology Education (7-12)

CLINICAL SUPERVISOR

RHODE ISLAND COLLEGE | SEP. 2006–PRESENT | PROVIDENCE, RI

Technology Education Undergraduate Courses

- TECH 407- 01; Practicum in Elementary Technology Education (K-6)
- TECH 408 - 01; Practicum in Elementary Technology Education (7-12)

REFERENCES

Susan Zoll, Ph.D.

Associate Professor
Rhode Island College | Providence, RI
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Karen Capraro, Ph.D.

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Nancy Carriuolo, Ph.D.

Consultant
Providence, RI
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TEACHING EXPERIENCE (CONTINUED)

CLINICAL SUPERVISOR

RHODE ISLAND COLLEGE | JAN. 2017–MAY 2020 | PROVIDENCE, RI
Elementary Education M.A.T.

- ELED 537: Science M.A.T. Practicum (Spring, Fall)

CORPORATE TRAINER

CORPORATE SOFTWARE | MAY 2000–JUL 2004 | NORWOOD, MA

Using webinars I assessed, developed, and delivered customers skills on software and licensing to build and optimize the Microsoft Product experience.

RESEARCH INTERESTS

THE ART IN STEAM

I am assessing the benefits of incorporating Art as a central component in STEAM.

Art enhances the learning of concepts and builds technical skills in underserved curriculum, improving students' mastery of design and cross-disciplinary communication.

STEAM EDUCATION AND SOCIAL JUSTICE

I am chronicling the role of STEAM education in improving students' rate of success.

My focus is on harnessing STEAM education to enhance students' educational prospects. In the 2017 edition of *Catalyst*, Webb and Barrera noted that "Education improves students' lives by providing means to overcome the inequities of school and society, and it is the responsibility of teachers to see that this happens for every learner." **Central Falls/RIC Innovation Lab Collaboration.**

GEODESIC DOME GREENHOUSE PROJECT

Students build a Geodesic Dome Greenhouse as a living laboratory for exploration of nature and health. The Dome is an ideal environment to grow food all seasons, thus enhancing STEAM studies.

PUBLICATIONS

PEER-REVIEWED JOURNALS

- Capraro, K., Downes, L., & Arango, J. D. (2018, November). *Capturing Nature's Beauty through Multiple Lenses. The Journal of the National Association for the Education of Young Children.* 14–21
- Arango, J., & McLaughlin, C. (2007, September). What Works: *The Henry Barnard Laboratory School, Rhode Island College. Children's Technology and Engineering*, 12 (1), 14, 15

TRANSLATIONS

- Ondis, B., Arango, J. (2009). *Por qué las Escuelas Laboratorio deben aceptar estudiantes con diversas discapacidades.* [Why Laboratory School Must Enroll Students with Diverse Abilities]. *NALS JOURNAL*, 31 (2), 31-35

JURIED PRESENTATIONS

- 2019. Downes, L., Arango, J. D. "Lantern Workshop." National Association of Art Educators (NAEA), Boston, MA.
- 2019. Arango, J. D., Downes, L. "STEAM – Keep the Arts in STEM." International Technology and Engineering Educators Association (ITEEA), Kansas City, MO.
- 2018. Downes, L., & Arango, J. D. "A seamless Collaboration." National Association of Art Educators (NAEA), Seattle, WA.

COLLABORATIONS (CONTINUED)

2017. Outdoor Classroom Project

Collaborated with Lorraine Downes and Karen Capraro to develop a unified curriculum that studied the natural environment and photography history. Our collaboration bore an article published in *"The Journal of the National Association for the Education of Young Children,"* which chronicled our research and development of this project.

COMMUNITY INITIATIVES

2017–2020. Google Classroom Community

I developed a curriculum to train the Henry Barnard School faculty using Google Suite to manage coursework, organize assignments, boost collaboration, and foster better communication. The training includes resources, tips, and tricks from the Google Classroom community.

2013–2020. TechEd Expo Passport to STEAM

TechEd Expo strives to give students a place to work alongside their parents on STEAM-based activities along the Henry Barnard Laboratory School's hallways, a refined, modernized version of the typical science fair.

2014–2019. Celebrate the Arts Night

This community-based event for families, students, faculty, and staff showcases every HBS student's artwork.

MEMBERSHIPS AND AFFILIATIONS

- National Association of Art Educators (NAEA) National Conference
- The International Technology and Engineering Educators Association (ITEEA)
- Rhode Island Society of Technology Educators
- New England Association of Technology Teachers
- IALS (International Association of Laboratory Schools)
- Rhode Island Science Teacher Association