THE YOUNG DIGITAL INNOVATORS PROGRAM

ALL ASPECTS EDUCATION

INNOVATIONS • ILLUMINATION • TRANSFORMATION

WHO WE ARE

ALL ASPECTS EDUCATION
K-12 INNOVATIONS • ILLUMINATION • TRANSFORMATION

We are a team of seasoned educators who build innovative, customized TK-12 grade virtual programs for schools (public, private, homeschool, and charter), families, and individuals that enable students to engage with academic curriculum in a non-traditional way as well as build intangible skills as a lifelong learner.

Our methods provide a clear path and solid structure for educational institutions and families to appropriately support and serve all students despite their ability, socioeconomic status, and prior learning experiences. Our programs are created by using 21st-century tools [such as Artificial Intelligence (A.I.) and educational technology (EdTech)], traditional pedagogy, years of classroom experience(with general and special education students), and specialized curriculum.

The results are tailor-made, exceptional, personalized programs that fit student learning styles and needs, provide in-depth support to staff, students, and parents. This unique program structure allows for the curriculum to be presented to learners in a way that encourages complete student engagement, giving the students the ability to take an active role in the learning process. We also incorporate non-tangible skills such as social-emotional learning (SEL), study skills, and character-building aspects of education that can often get overshadowed in solely academic achievement-based environments.

YOUNG DIGITAL INNOVATORS PROGRAM DESCRIPTION

What is it?

The Young Digital Innovators Program was created to provide students of color, particularly African American students, who are traditionally marginalized and underserved, a clear path into the world of technology through direct, hands-on exposure to real-world, 21st-century technological innovations. We have curated the best programs and teachers available to ensure students receive the highest quality instruction, support, and mentorship possible.

The program is virtual, however students local to the San Francisco Bay Area will get the opportunity to participate in certain onsite events.

Our ultimate goal is to create a pipeline of young adults who have the ability to build a skill set that will allow them to earn income now and secure income in the future in the form of a career in technology.

In this program, students will have 5 modules:

Module 1: App Development and coding
Module 2: QUAD D Robotics
Module 3: Drones
Module 4: CreatorBot
Module 5: Web Design, Digital Marketing, & Tech Support

Module 1: App Developer Juniors Mentorship Program created by Dr. Paul McNeil. It is a series of project-based courses that introduce students, ages 10 and up, to computer programming as a career option. Students learn computational thinking by completing various coding applications (mobile, Alexa, Python, etc). They are also introduced to critical soft skills including communication skills, self-learning, and time management.

Module 2: Quad D Robotics: Innovative Inventions Curriculum®" created by Robert E.Walker M.Ed,
Quad D Robotics Innovative Inventions curriculum simulates real-world, real-life, workplace awareness while focusing on applicable uses of robots. Predictable and scripted curriculum isn't the driving force behind these units. Student creativity, increased communication skill development, applied technology, as well as CORE subject application opportunities are evident throughout the curriculum.

Module 3: Drones: Locodrones Program created by Dr. Pramod Abichandani, Drexel University
 Drones are the technology of choice for future aerial transportation.
This program will immerse students in technical challenges (Aerodynamics, Aeronautics, Control Theory, Sensory Aerial Robotics Design. It will also teach students real-world skills for career readiness using industry-standard Python or Java Coding (AP CSA), sensor data analysis and decision-making data visualization multi-robotics with LocoXtreme.

Module 4: CreatorBot Designed by Dr. Erie Boorman, Director of the Learning and Decision Making Lab at UC Davis. This program uses the first Arduino-powered robot that teaches electrical engineering, programming, 3D modeling, and 3D printing to engage students. The curriculum is aligned to leading academic standards.

Module 5: Web Design, Digital Marketing, & Tech Support
Students will learn and master these skills through real-life applications and partnerships.

PROGRAM GOALS

Students in this program will:

- Gain exposure to STEM concepts, careers, and tools

- Learn coding, programming, robotics, and other tech-related skills and their real-world application

- Gain valuable interpersonal skills through mentorship and work experience

- Create a portfolio that showcases their work

- Utilize learned skills to earn wages, support their community, and venture into the world of entrepreneurship

- Feel comfortable in their own skin by building confidence and self-esteem

- Help students realize and reach their full potential

- Create direct access to internships and employment opportunities in Silicon Valley, Fortune 500 companies, and other places of business

- Have the ability to accelerate their education through early high school and/or college completion(AA/AS or BA/BS)

- Have the option to earn all technical certifications needed for entry into the workplace

YOUNG DIGITAL INNOVATORS PROGRAM DESCRIPTION

Who is it for?

The Young Digital Innovators Program is open to all students ages 9-18. However, our focus is to help traditionally marginalized students who rarely get offered opportunities to learn and participate in STEM-related programs. Statistically, the need is greatest in the African American and Latinx communities.

Our ideal student candidates are interested in learning technology, self-directed, motivated, have integrity, take feedback well and follow instructions. Students must be willing to work hard and recognize that this unique opportunity is a gift.

OUR TEAM & PARTNERS

Jasmin Johnson, M.S.Ed
Founder of All Aspects Education and CA Credentialed Educator

Dr. Paul McNeil
App Developer Juniors Mentorship Program
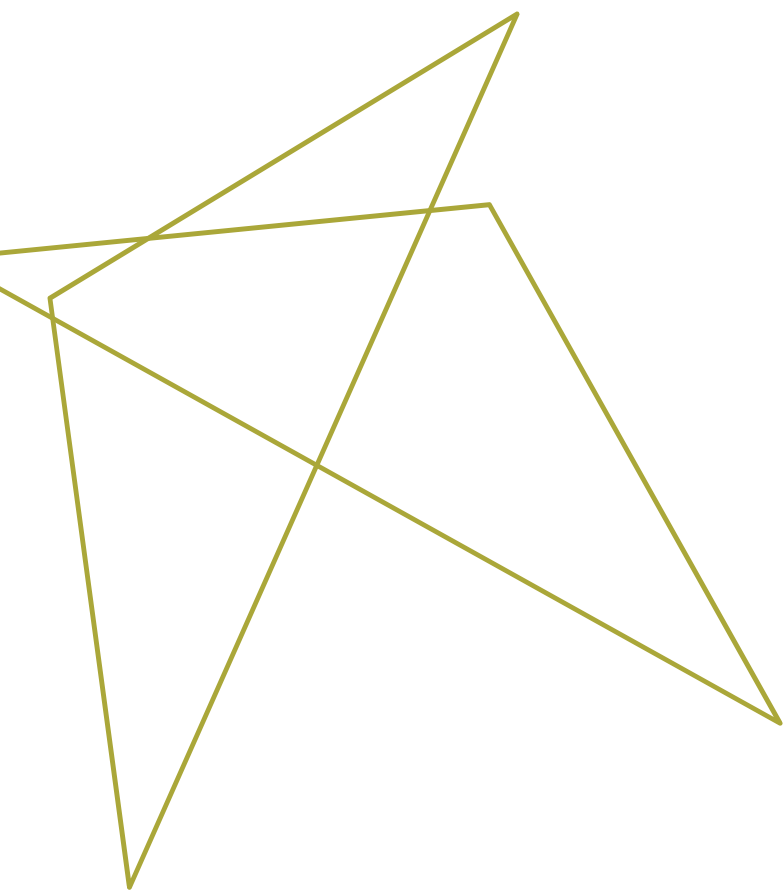
Mr. Robert E. Walker, M.Ed
Quad D Robotics Innovative Inventions

Dr. Pramod Abichandani, Drexel University
LocoRobo and LocoDrone Creator

Professor Erie Boorman, PhD
Director of Learning Science & Neuroscience and Assistant Professor at UC Davis, Center for Mind and Brain
CodeREV - Creator Bot Learning

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