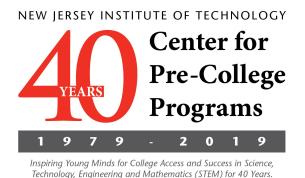
New Jersey Institute of Technology

40 Glorious Years!

Join us on a visual tour of CPCP's past, present & future

1979 - 2019





Inspiring Young Minds for College Access and Success in Science, Technology, Engineering and Mathematics



FEMME (Females in Engineering: Methods, Motivation and Encouragement)
1981- present



UBELLs "crafting" the future

Our Programming has supported STEM Education before there was "STEM"



on the Green

Launching rockets

training design and build hot air

balloons

Pillars of Our Programming

Talent Search

Early College Prep

Upward Bound

 $\sf UBELLS$ Upward Bound for English Langua Learners

College Bound

Academy & Options

Professional Development

Special Programs

Family Engagement



Wide Range of Experiences

- Hands-on Workshops Professionals & Students
- Development of Curriculum and Assessment
- Academic Year and Summer Opportunities
- College Tours
- Cultural and STEM-related Field Trips
- Student Competitions
- Conferences for Students and Adults
- Family Education



Early College Prep – Summer Camp



... students explored technology

Early College Prep – Summer Camp



... students explore a wide range of engineering specializations

Exxon Mobil Bernard Harris Summer Science Camp

12-year collaboration with Dr. Bernard Harris supported in part by Exxon-Mobil Foundation



Early College Prep – Competitions

NJ Science Olympiad & TSA TEAMS & Panasonic

Creative Design



Early College Prep – Academy; Options for Advanced Academic Achievement

 Academy: On-campus college courses for high school students

Options: NJIT courses taught by approved high

school faculty at their

schools

 Successful completion includes an NJIT transcript



 Federally funded programs for Newark students providing academic, career, and financial counseling to encourage post-secondary enrollment, success and graduation



Working with NJIT professors and staff



Developing cultural awareness







Attending lectures, conferences and presentations

Celebrating graduations



UBELLs – Upward Bound for English Language Learners

 Federally funded supports for English Language Learners



Consistent in-school support

UBELLs – Upward Bound for English Language Learners

College guidance & college fairs





UBELLs – Upward Bound for English Language Learners



Conferences & recognitions

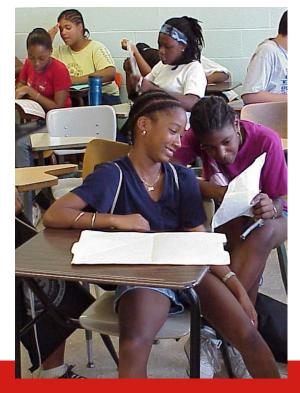


otoScan by Google Photos

 State / Federally funded supports for underrepresented / underserved students in

Newark

Academic support,
 SAT/ACT prep,
 counseling, and more





Knowledge Bowl 2003





Tours of college campuses and cultural sites



Achievement, Recognition and Celebration



Special Programs

Newark Public Schools' STEM Day 2019



Student teams complete STEM tasks with assistance from NJIT students and outside volunteers



Held in the WEC with a campus scavenger hunt

Medibotics

 NSF-funded program linking physics and biology to the engineering design process

Students simulated medical procedures using LEGO

NXT Mindstorms™





Professional Development



understanding of equilibrium led by Dr. Moshe Kam



Engineering brain safety for TSA TEAMS coaches led by Dr. Burr-Alexander

Professional Development

Utilizing NJIT state-of-the-art facilities:
 Makerspace



STEM School Leadership Forum



Dr. Bernard Harris, Keynote speaker 2018



Students present to Leadership Forum attendees

Attendees discuss points made during a presentation



School Partnerships

 We help to develop STEM / STEAM programs in districts and schools

St. Rose Grammar School

Belmar, NJ

Mr. Greg Guito, Principal



STEM PROGRAM & NJIT

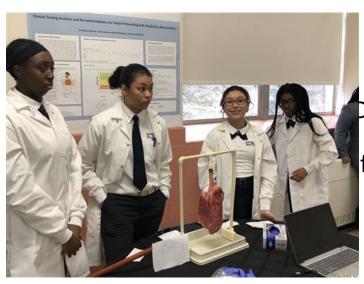
NJIT assists and trains our faculty as we foster student interest and growth in the STEM subjects

Learn More



School Partnerships

 We facilitate NJIT faculty collaborations with partner districts and schools



STEM Innovation Academy of the Oranges

Dr. Tina Powell, Orange Public Schools

f. Thomas Jaworski, NJIT Civil Engineering

STEM Family Workshops

Engaging parents and children in the excitement

of STEM





Planning for the Future

New in 2020:

Forensic Science Educational Conference in

collaboration with Prof. David Fisher,

NJIT Forensic Science Department

and the

American Academy of Forensic Sciences

January 14-16, 2020 NJIT campus

Elementary STEM Competition Grades 3-5 Spring
 2020 NJIT campus



njit.edu

The FIRST

Forensic Science

ONLY at NJIT >

Program in New Jersey

Friends of CPCP

- We welcome community engagement and participation in our programming
- Time, Talent & Treasure: We accept financial support through the Foundation @ NJIT and many forms of in-kind support directly through the Center
- To join us as a Friend of CPCP or for more information, contact:
 Ms. Martha Churchill

Martha.C.Churchill@njit.edu

973-596-5368



The CPCP Staff – Dedicated to Supporting STEM Education









































