



SERVING MONMOUTH AND OCEAN COUNTIES

WHO WE ARE

Jersey Shore STEM Ecosystem is a collaborative effort led by Christine Girtain from Toms River Regional Schools in Ocean County and Jelena Komitas from Manalapan High School, Freehold Regional High School District in Monmouth County. This initiative brings together educators, businesses, and community organizations to enhance STEM education across the Jersey Shore ensuring equitable access for all students.

MISSION

Building an inclusive STEM network that offers high-quality professional development, supports innovation, and creates a strong K-Industry STEM pipeline for students to explore and prepare for diverse careers.

VISION

By establishing and growing a dynamic STEM network of educational institutions, businesses, community organizations and government agencies we envision to create opportunities in our communities for high-quality STEM professional development for educators and to grow student STEM engagement.

GOALS

1. Build Collaborative Partnerships
2. Enhance STEM Learning Opportunities
3. Promote STEM Career Awareness and Preparation

ECOSYSTEM PARTNERS

- Monmouth County Library
- Collemi Consulting & Advisory Services
- NJ Department of Labor
- IEEE SIGHT Group
- IEEE Computer Society Region 1 & 2
- The Wolbachia Project (Penn State)
- National Corn Growers Association
- Lakehurst Naval Base (NAVAIR NAWCAD)

STATE AND NATIONAL NETWORK

Jersey Shore STEM Ecosystem is one of 111+ STEM Learning Ecosystems globally and one of eight ecosystems in New Jersey to participate in a statewide campaign to reimagine STEM learning and prepare New Jersey's future workforce for STEM fields.



CONTACTS

Ecosystem Co-leads

Christine Girtain

NJSTOY2023@gmail.com

Jelena Komitas

jkomitas@frhsd.com



New Jersey STEM Ecosystems

Replicating the National STEM Learning Ecosystems model, the NJSPN has fostered the creation of eight STEM Learning Ecosystems to advance collaboration across educators, business, government and community-based organizations in order to form more integrated cradle-to-career pipelines.

Representing all 21 New Jersey counties, the Ecosystems are opportunities to address unique regional challenges, while also providing a space to pilot, scale and replicate work that expands a statewide vision of STEM.



NEW JERSEY STEM PATHWAYS NETWORK

The New Jersey STEM Pathways Network (NJSPN), is a strategic public-private alliance established in 2014 to define and guide a STEM vision for cradle to career pathways in New Jersey.

For New Jersey to attract, cultivate and retain a 21st century workforce that is engaged and supported through statewide alignment of public and private STEM educational resources, ensuring that the state remains globally competitive in STEM industries and continues its rich history of innovation.

NJSPN is an initiative of the Research & Development Council of New Jersey.

Vision

For New Jersey to attract, cultivate and retain a 21st century workforce.

Mission

To define and guide a statewide STEM vision for cradle to career formal and informal learning opportunities that strengthen academic skills and inspire students.

Values

Ensuring equity, promoting real-world connections and implementing multi-stakeholder collaborations.