Goal: To ensure every student in New Jersey experiences engineering, with a focus on innovation, as an integral, core component of their elementary, middle, and secondary education.

Working with educators, policymakers, parents, and industry partners, we aim to strengthen the NJ Core Curriculum Content Standards and prepare teachers to effectively integrate engineering curricula into their K-12 classrooms.

Impact: By exposing all students (not merely those who self-select to take elective courses) to engineering design and problem-solving and the application of science and mathematics principles toward the solution of relevant, real-world problems earlier in their K-12 education, we hypothesize that more students and more underrepresented groups will be motivated to:

- take and succeed in gatekeeper courses in middle and high school;
- attain baccalaureate and advanced engineering and STEM degrees; and
- pursue engineering and other STEM careers.

85 percent of U.S. economic growth is due to technological innovation. (NAP, 2005)

For information about professional development or other inquiries:
EOFNJ@stevens.edu · 201 216 5655
www.stevens.edu/ciese/eofnj

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