

## NJ TSA Special Thanks!

*Johnson & Wales University* for awarding  
1st, 2nd and 3rd Place scholarships, ranging from \$500 to \$1,000  
to the winners of the following events:

- Webmaster
- Computer-Aided Design, 2D, Architecture
- Computer-Aided Design, 3D, Engineering
- Promotional Graphics
- Technical Sketching and Application
- VEX Robotics

*Forest Scientific* for awarding Chief Architect software  
to the 1st, 2nd and 3rd Place winners of  
CAD, 2D, Architecture

## High School Juniors ...

Interested in STEM principles and thinking about a career in teaching?

## APPLY NOW!

The College of New Jersey's  
Summer Pre-Engineering Teaching Academy  
July 14-19, 2013  
The College of New Jersey

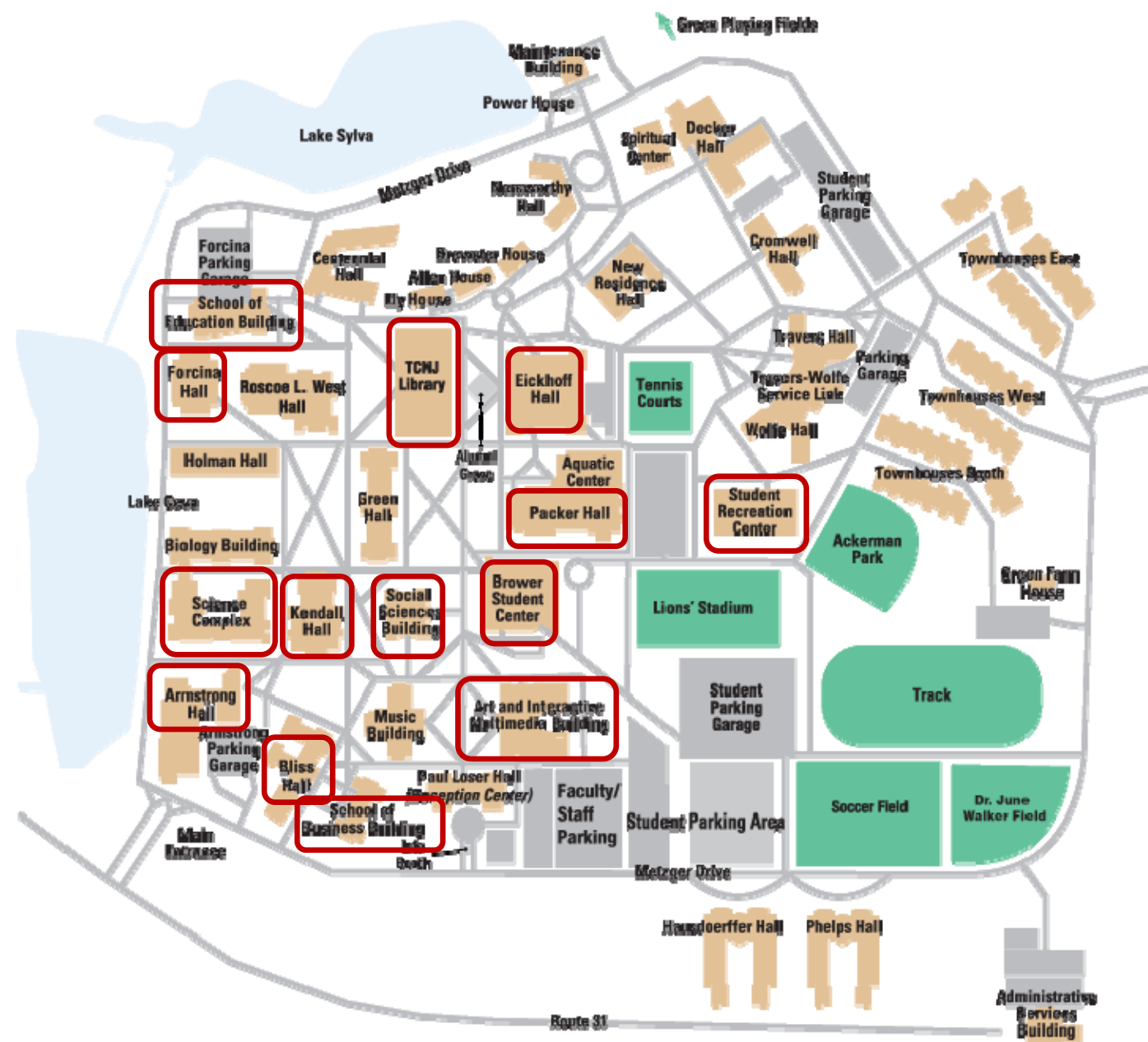
Learn about teaching engineering and technological  
literacy principles...and make a real difference in this  
exciting and high demand profession.

For more information or for an application contact:

Alison Goeke or Michelle Ordini

609-771-3244/609-771-2295

[www.njtsa.pages.tcnj.edu/events/pre-engineering-academy](http://www.njtsa.pages.tcnj.edu/events/pre-engineering-academy)



# 2013 New Jersey High School State Conference

# Biotechnology Design

Cover By:  
Andrea Cao  
Livingston High School  
1st Place Promotional Design  
2012 State Conference



The College of New Jersey  
April 10, 2013



Program of Activities

TIME	ACTIVITY	LOCATION
8:30am-9:30am	CHECK-IN AND BREAKFAST	Brower Student Center Upper and Lower Levels
9:30am-3:30pm	COMPETITIVE EVENTS <ul style="list-style-type: none"><li>• Watch On-Site Competitions</li><li>• View Displays</li></ul>	See opposite page for schedule and back cover for campus map
10:30am-11:30am	LUNCH	Eickhoff Dining Hall
12:30pm-3:30pm	<ul style="list-style-type: none"><li>• Meal tickets may be used during these times</li></ul>	
1:30pm-3:30pm	<b>FREE WORKSHOPS/INFORMATION SESSIONS (ALL STUDENTS &amp; ADVISORS WELCOME!)</b>  <b>How to Patent Your TSA Projects/Inventions - 1:35-2:35pm - Kendall Hall Main Stage</b> <i>Have an idea you think could make millions? Want to learn how to make it a reality? In January 2012, after a three-year entrepreneurial journey, a group of students from High Point Regional High School learned they would be receiving a patent for a device that won them first place at the National TSA Conference. TSA Advisor, Brian Drelick, guided these students as they transformed their idea into a patented invention. During this session, Mr. Drelick and his students will share the hard-to-find resources and valuable tips they compiled during this process.</i>  <b>Johnson &amp; Wales School of Technology - 1:30-2:30pm - Education Building 206</b> <i>Learn about the college selection process and how to apply for scholarships at J&amp;W. Get an overview of several of their programs including Computerized Drafting, Electronics Engineering, Engineering Design and Configuration Management, Graphic Design and Digital Media, Network Engineering, Robotic Engineering Technology and Software Engineering.</i>  <b>TCNJ School of Engineering - 2:45-3:15pm - Education Building (Rooms listed below)</b> <i>Get insider information about several undergraduate programs at TCNJ. Hear first-hand from current TCNJ students about program requirements, coursework, field experiences and career pathways.</i> <ul style="list-style-type: none"><li>* Technology Education &amp; Math/Science/Technology - Education Building 208</li><li>* Women in Engineering - Education Building 211</li><li>* Civil &amp; Mechanical Engineering - Education Building 306</li><li>* Biomedical &amp; Electrical Engineering - Education Building 308</li></ul> <b>EXHIBIT BOOTHS</b> VEX Robotics - 9:30am-12:00pm - Packer Hall North Gym TCNJ Admissions 1:00-3:00pm - Library Lower Lobby	
3:30pm-4:30pm	AWARDS CEREMONY	Packer Hall South Gym
4:30pm-5:00pm	STUDENTS PICK-UP DISPLAYS AND DEPART	See opposite page for display locations



NEW JERSEY  
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**Building Abbreviations:**

AIMM	Art and Multimedia
AR	Armstrong Hall
BB	Business Building
BL	Bliss Hall
ED	Education Building
KH	Kendall Hall
LIB	Library
PAC	Packer Hall
REC	Recreation Center
SB	Social Science Building
SCP	Science Complex P
SCC	Science Complex C

Participating Schools & Advisors	
Atlantic County Institute of Technology.....	Monica Amadio/Patrica Czar
Bayonne High School .....	Marie Aloia
Biotechnology High School.....	William Hercek
Bloomfield High School.....	Leo Inglima
Bordentown Regional High School.....	Michael Sullivan
Cherokee High School.....	Carl Kralik
Clearview Regional High School.....	Melissa Parr
Collingswood High School .....	Tamia Patrick
Colts Neck High School.....	Dave Niemierowski
Daylight Twilight High School Trenton.....	Jamie Maniatis/Daniel Monzon
Dickinson High School .....	Frank Cottone
Dwight Morrow-Academies @ Englewood .....	Randy Sherry
East Orange STEM Academy .....	Barbara Froehlich
Fair Lawn High School.....	Joe Ruggiero
Freehold High School .....	Stephen McGowan
Freehold Township High School.....	Thomas Jennings
Hackettstown High School .....	Wayne Filus
Hamilton High School North-Nottingham.....	Eileen Walsh
High Point Regional High School.....	Brian Drelick
High Technology High School.....	Robert Dennis
Howell High School.....	Sherry Roses
Kittatinny Regional High School.....	Doug Carnegie
Lenape High School.....	Robb Murray
Livingston High School .....	David Richards
Mainland Regional High School.....	Erin Pendergast
Marine Academy of Science and Technology.....	Wendy Green
Marlboro High School.....	Will Werntz/Sarah Mango
Millville Memorial High School .....	Lauren Daigle
Millville Senior High School .....	Jamie Burrows
Morris Catholic High School .....	Margaret Strowe
Morris Hills High School .....	Richard Consales
Morristown High School.....	Jack Rizzo
New Providence High School.....	Denise Moser
Newton High School.....	Jesse Clark
North Hunterdon High School.....	Brian Chisholm
Northern Burlington Regional High School .....	David Johnson
Northern Valley Regional High School .....	Patricia Guarino
Parsippany Hills High School .....	Robert Stevenson
Red Bank Regional High School.....	Kathryn Hawley
Robbinsville High School .....	Joy Wolfe
Seneca High School.....	Jason Pitner
Shawnee High School .....	Stefani Kirk
South Brunswick High School.....	Lisa Sokol/Peri Sokol
Vineland High School .....	Sheryl Rasmussen
Voorhees High School.....	Andrew Huang
Wall High School .....	Dan Leonard
Washington Township High School.....	Rick Ambacher
West Morris Central High School.....	Bob Clifford
Williamstown High School.....	Richard Kurczeski

Shaded events are NOT open for visiting

HIGH SCHOOL EVENTS	ROOM	TIME	DESCRIPTION
Animatronics	BB 122	9:30	Presentation/Display
Architectural Renovation 9:30am-10:00am— Students drop off display 10:00am-1:00pm— Judging 1:00pm-3:30pm— Open for viewing	AIMM 125		Display
Biotechnology Design	AR 102	9:30	Presentation/Display
Career Preparation	AR 114	10:00-4:00	Display
Chapter Team	BB 123	10:00	Test/Presentation
Computer-Aided Design (CAD), 2D, Architecture	AR 114	10:00-4:00	Display
Computer-Aided Design (CAD), 3D, Engineering	AR 114	10:00-4:00	Display
Computer Numerical Control (CNC) Production	ED 208	10:30-4:00	Display
Debating Technological Issues <i>(Holding Room SCP 310)</i>	SCP 319	9:30	Presentation
Desktop Publishing	SB 21	9:30-4:00	Display
Digital Video Production	LIB	10:00-4:00	Video Display
Dragster Design	BB Lounge	10:00	Co2 Car Race
Engineering Design	ED 212	9:30	Presentation/Display
Essays on Technology	BB 206	10:00	Written Report
Extemporaneous Speech <i>(Holding Room SCP 301)</i>	SCP 317A	9:30	Speech
Fashion Design	KH Main Stage	10:00	Runway Show
Flight Endurance	REC	9:30	Controlled Flight
Future Technology Teacher	SCP 101	9:30-2:00	Teach Lesson
Manufacturing Prototype 9:30am-10:00am— Students drop off display 10:00am-1:00pm— Judging 1:00pm-3:30pm— Open for viewing	AIMM 104		Display
Music Production	SB 21	9:30-4:00	Display/Music Track
On Demand Video	BL 153	10:00-4:00	Video Display
Open Source Software Development	AR 106	9:30-3:30	Display
Photographic Technology	AR 106	9:30-3:30	Display
Prepared Presentation <i>(Holding Room SCP 301)</i>	SCP 128	10:00	Speech
Promotional Graphics	BL 28	9:30-3:30	Display
SciVis	BL 28	9:30-3:30	Video Display
Structural Engineering	AR 136	9:30	Build/Test
System Control Technology 9:30am-10:00am— Students drop off display 10:00am-1:00pm— Judging 1:00pm-3:30pm— Open for viewing	AIMM 104		Display
Technical Sketching & Application	SCP 301	10:30	Test and sketch
Technology Bowl – Written	ED 113	9:30	Test
Technology Bowl – Oral <i>(Holding Room ED 113)</i>	ED 111	11:30	Quiz Game
Technology Problem Solving	ED 115	9:30	Activity
Transportation Modeling	AR 112	9:30-4:00	Display
VEX Robotics	PAC North Gym	9:30	Demonstration
Video Game Design	SCC 122	9:30-4:00	Display
Webmaster	SB 21	9:30-4:00	Computer Display