



Green Energy Technology Academy (GETA)

LAGUNA CREEK HIGH SCHOOL

The LCHS Green Energy Tech Academy (GETA) is a four-year high school program dedicated to preparing students to enter two-or four-year colleges, begin a technical training program or head directly into the work force. GETA teaches the concepts of energy extraction, conversion and transmission processes through complex, hands-on, project-based work.

THE GETA FAMILY - GETA students learn and excel together. Whether it is investigating energy conversions at a behind-the-scenes tour of Six Flags theme park, physically supporting each other in team-building activities at the Ropes Course or collaborating on their core academic course assignments, academy students study together in a family-like atmosphere. GETA teachers follow this same team approach when collaborating on cross-curricular lessons to show students connections while monitoring student development both inside and outside the classroom.



STUDENT ACCOMPLISHMENTS

- 2012-2014 Winner of SMUD's Northern CA Solar Regatta
- Competed in the Solar 1 World Cup Championships in Monaco (summer 2014)
- Winners of the 2012 Youth Energy Summit for an energy audit project that helped families in need.
- Showcased by eCo Company TV: <http://eco-company.tv/video/solar-suitcases>.
- Compete in Toyota's H2AC hydrogen powered RC car endurance races. Finished 2nd (Sr) and 3rd (Fr) in the 2018 NorCal Regional Championships and will be hosting the NorCal Regional Championships in March 2019.

“ The thing I enjoy the most about GETA is that we get to use a lot of power tools, tools you normally don't get to use, and we are NCCER certified in tool handling. Most classes are not very hands-on, but GETA classes are 100% hands on, so I'm 100% GETA.”

S.F. (GETA Academy Student)



SOLAR SUITCASE DELIVERIES

GETA students have built and shipped over 80 solar suitcases to bring electricity to medical facilities in 21 poverty-stricken countries around the world! Our suitcases bring power to the following countries:



BENEFITS

- Fun, project-filled classes where you get out of your seat.
- A family atmosphere to support you towards your goals.
- Field trips, internships and projects offering a glimpse of life beyond high school.
- An inside track on the skills and knowledge for tomorrow's jobs.

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Industry Sector: Engineering and Architecture | Pathway: Architecture and Structural Engineering

SAMPLE CAREER-THEMED COURSES

* The sample program of study outlined below lists academy-specific courses and does not include the full list of graduation requirements in writing, math, VAPA, WL, etc. These courses are subject to change based upon industry trends.

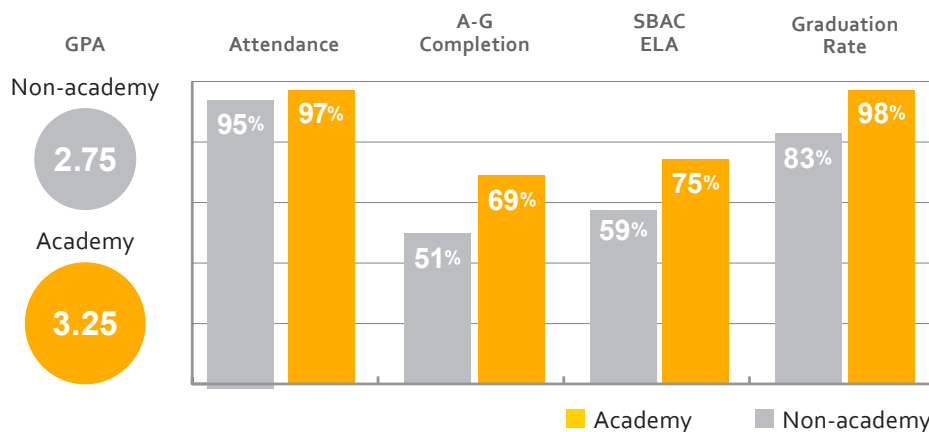
9th Grade	• Intro to GETA: Students complete numerous small projects to learn how technology transforms energy and how the energy and utilities industry is organized through career exploration.
10th Grade	• GETA I: Students complete in-depth projects relating to solar and wind energy, creating solar-suitcases and wind turbines.
11th Grade	• GETA II: Students complete in-depth projects relating to biofuels, hydroelectricity and alternative transportation by creating biodiesel, micro-hydro turbines and solar electric vehicles.
12th Grade	• GETA III: Students complete senior projects, internships, earn certificates and make connections with industry partners in the energy field.



How to Apply

Complete application form available at the Counseling Office.

ACADEMY VS. NON-ACADEMY DATA (DISTRICT-WIDE)



CONTACT INFORMATION



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(GETA)

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FUTURE CAREER OPTIONS

- High School Diploma
- Junior Drafter
- CAD Technician
- Construction Apprentice
- Engineering Aide
- Drafting Apprentice
- Apprentice Electrician
- Computer Equipment Installer
- Security Equipment Installer

- **AA, AS Degree or Certificate**
- Drafter/Designer
- Plan Checker
- Surveyor
- Estimator
- Electrical Engineering Technician
- Mechanical Engineering Technician
- Laboratory Technician
- Civil Engineering Technician
- Chemical Engineering Technician
- Aerospace Engineering Technician
- Architectural Drafters
- Telecommunications Technician
- Journeyman Electrician

- **BS, BA or Post-Graduate Degree**
- Mechanical Engineer
- Aerospace Engineer
- Agricultural Engineer
- Electrical Engineer
- Computer Hardware Engineer
- Telecommunications Engineer
- Landscape Architect
- Materials Engineer
- Nuclear Engineer
- Architect
- Industrial Designer
- Civil Engineer
- Structural Engineer



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