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CLEAN TECHNOLOGIES &
SUSTAINABLE INDUSTRIES E.C.H.S.
MONTHLY BULLETIN



[Spotlight on the Clean Tech Program \(click on the links below!\)](#)

[TEC-SMART high school program preparing tomorrow's work force](#)

[TEC-SMART Paving the Way – The Ballston Journal](#)

[Early College HS exposes students to clean technology, energy careers - New York State School Boards Association](#)

[TEC-SMART orientation helps high-schoolers work as a team to solve problems – Saratogian](#)

[Junior Project \(click here to see full article\)](#)

During the junior year Watershed App Project students were challenged to identify their local watersheds, explain why they are important, research the environmental status of local water sources, and research threats to these watersheds. Having done so, juniors in the Clean Tech program were asked to develop sustainable solutions for problems involving each watershed's issues and explain the benefits of maintaining a healthy ecosystem, as well as finding local organizations that are committed to protecting water quality.



[Senior Project \(click here to see full article\)](#)

The seniors were challenged by their instructors to create a training video about how to properly gown up before entering a clean room. The video's purpose was as training for new employees entering the chip fab workforce. Seniors found the process of making the video informative. Sam Speziale felt that he, "learned a lot about how to properly gown up to go into a clean room."



[Student Success! \(click here to see full article\)](#)

Benjamin Godgart, a senior at TEC-SMART who commutes from Columbia High School in East Greenbush, was recently accepted into the University at Albany's College of Nanoscale Science and Engineering. In an interview with the Times Union, Apple Computer co-founder, Steve Wozniak, was quoted as saying about U.A. C.N.S.E., "If I was in college, this is where I would want to go to school." The facility is noted for its world-class resources and its programs for pioneering academics. Ben plans to pursue a career in nanoengineering and says he would be proud to make a difference in the world through nanotechnology.

[Fun Fact! \(click here to see full article\)](#)

Currently, where is the largest solar power plant located?

[Main Campus Talk \(click here to see full article\)](#)

Beginning in August 2013, Hudson Valley Community College began offering C.D.T.A.'s universal access program. This access allows members of the H.V.C.C. community to swipe their college I.D. cards through the fare box and travel without cost on all C.D.T.A. bus routes, Northway Xpress Commuter service, and S.T.A.R. This program provides students, faculty, and staff the option of an environmentally-friendly mode of transportation.

[Reader Q & A about Clean Tech \(click here to see full article\)](#)

Q: What college course will I take?

A: This year, juniors started the year in Introduction to Wind and in AutoCAD (computer aided drafting). Second semester juniors took Introduction to Electricity and Business Law I. First semester, seniors took *Public Speaking* and a course in electricity. Second semester offered a choice, either *Business Law II* or *Sociology* and another choice between *Statistics* or *Entrepreneurship*.

[TEC-SMART: In & Out \(click here to see full article\)](#)

On March 6, 2013, the seniors took a field trip to C.G. Power Solutions. This company of 120 people has offices in Pennsylvania, New Jersey, New York, and in other locations around the globe. C.G. Power Solutions is an electrical engineering firm that works with several different utility companies. They plan, design, and build new technology to increase the efficiency of how electricity transmits to or from transmission lines.

During the field trip at the company's Albany, New York location, the seniors separated into groups and met with their mentors, who were employees of C.G. Mentors and students were matched based on the college and career interests of each senior.



[Five Questions for Mr. Sawyer, Sociology Professor \(click here to see full article\)](#)

1. How does it feel to be teaching high school students?

It doesn't feel any different. I actually think you are a good group in that you seem to be intellectually curious, a characteristic that can't be taught. Of course, it could be you're good at impression management. So... what do you think? Are you sincere or cynical? Do you like how I got that lesson in again?

[College Knowledge \(click here to see full article\)](#)

Entrepreneurship: In this senior entrepreneurship class we are in the process of writing up our own business proposals. Each student had the option of working in a group or working alone and was given the freedom to develop any type of business idea. Final business proposals are due at the end of the semester.

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