

# E-TECH MONTHLY

November 7, 2014

On October 7th, Energy Tech hosted Mr. John McAvoy, CEO and Chairman of the Board of Consolidated Edison, Inc. Mr. McAvoy went on a school tour with student ambassadors. After visiting classrooms, Mr. McAvoy spoke with a group of students about their experience at Energy Tech, and also answered student questions. He is pictured with Samirh, Amber, and Jeff in our new science laboratory.



## Mentoring Update

### Launching 10th grade industry mentoring program

By Stephanie Gilman

This year, Energy Tech is launching a group-mentoring program in partnership with National Grid and Con Edison. The mentoring program began on October 24th and will run through June. Over 20 mentors from both of our employer partners will be volunteering their time to come work with our students.

Mentors will meet with small groups of 10th grade students once per month for approximately an hour, and will work with students on a range of work-based learning activities that are integrated into student learning, such as:

- Setting educational and career goals
- Exploring educational and career options
- Decision-making, study, and organizational skills for success in high school, college, and career
- Professional communication and presentation skills
- Job search skills including interviewing, developing resumes, and networking

The main goals of the program are to expose students to energy and technology professionals, promote leadership skills development, strengthen the connection between school and

employer partners, and develop the next generation of employees for Con Edison, National Grid - and the industry as a whole. We are very excited about the launch of this program, and grateful to our partners for their support and participation.

See our students and mentors working together on page 5! If you would like to learn more about this program, please contact Karin Wissmann, at [kwissmann@energytechhs.org](mailto:kwissmann@energytechhs.org).

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# What's happening at Energy Tech

## At a glance

### Monthly Summary

Since our last newsletter, much has happened at Energy Tech. We hosted our first annual Open School Night for families on September 17th. Teachers prepared short lessons and information about their classes, and parents were issued their children's schedules for the evening. Parents and families spent a short amount of time in each class, and also participated in a "State of the School" presentation. There were free t-shirts and lots of information for those who attended.

Our Parent Association elected a new Executive Board for the school year - Ms. Yonette Griffith, President; Ms. Noonadai Singh, Treasurer; and Ms. Raquel Martinez, Secretary. Our next PA meeting is on October 23rd. More information will be sent home soon. We also hosted our first Community Coffee Hour on October 3rd, and were pleased to visit with all of our participants. On the same day, we had our first Town Hall Assembly of the year, and celebrated several 9th and 10th graders for their achievement and school spirit.

Sports and activities have sprung into action, and our flag football team has been playing in weekend tournaments at Roy Wilkins Park. Rugby will begin soon, and soccer packets were distributed last week to interested students. Club participation has been high, and approximately 30 students are participating in Saturday classes at LaGuardia through Liberty Partnership - digital photography, art, engineering, Latin dance, and more!

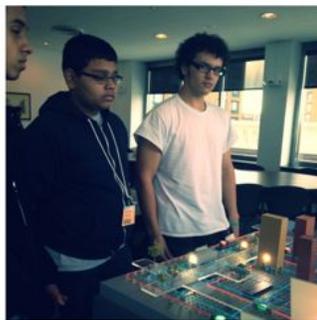
Job Shadowing through Con Edison has started, and students have greatly enjoyed learning about the wide range of careers available in the energy and utility industry. In a matter of weeks, we will be joined at the school on a monthly basis by mentors from both National Grid and Con Edison. These activities, along with the first college course (HUP 102) have brought our college and career program to life this fall.

### Glows & Grows

- We are thrilled with student participation at high school fairs, open houses, and other new student recruitment events. They have been so energetic, warm, and articulate, and have been gaining valuable public speaking and networking experience.
- We have been pleased to see some very good citizenship this month - students helping one another with work, volunteers to keep the lunchroom tidy, and volunteers for community service projects. Keep up the good work!
- Student attendance at tutoring and after-school revisions has been slowly climbing. Ms. Alvarez sent home tutoring and club schedules via e-mail. We would greatly appreciate your encouragement for your child to attend.
- We would like to see more students and families actively using PowerSchool to track progress. Please contact Ms. Alvarez ([nalvarez@energytechhs.org](mailto:nalvarez@energytechhs.org)) for assistance.

### Giving Thanks

- We are, as always, incredibly grateful for the support of our partners at CUNY, ECI, Con Edison, National Grid, LaGuardia Community College, Liberty Partnership, and Solar One. Our students are benefiting greatly from all of the opportunities supported by our partners, such as FIRST Robotics, Green Team, Programming Club, college coursework, Saturday classes, Clean Tech, Industry Mentoring, Job Shadowing, PowerSchool, and so much more. A resounding THANK YOU from the Energy Tech family!
- To our families for working with our team to ensure that student attendance is high at Energy Tech. In any school - but particularly in our rigorous college and career program - it is necessary to be present every single day.



18 Energy Tech sophomores have been participating in the Con Edison job shadow program. The students are attending a series of nine sessions through December. Each session is an opportunity to learn about careers within various fields such as engineering, law, and media, and also learn how it applies to and functions within Con Edison.

Con Edison held the program kickoff on September 30th in Manhattan. Con Edison staff gave an introduction and overview, and presented a video that new employees see as part of their orientation to the company. After the presentation, the students had the opportunity to interact one-on-one with employees from different departments. We are very excited to be a part of this program this year!

# Classroom Corner

## A glimpse into our classes

The end of the first marking period of Fall Semester is upon us, and our first Parent-Teacher conferences are coming up. You are invited to join us to discuss your child's progress on the evening of November 5th and the afternoon of November 7th. More information will be available soon - we look forward to seeing you then!

### English Language Arts

In 9th grade ELA, we are delving deeper into Shakespeare's *Macbeth*--paying special attention to Lady Macbeth's character. Our focus for the next 2 weeks will be creating counter claims, and as always, citing evidence to support all of our claims. We have also recently taken a baseline assessment to determine areas of improvement. **Contact:** [abartelucci@energytechhs.org](mailto:abartelucci@energytechhs.org), [tmohammed@energytechhs.org](mailto:tmohammed@energytechhs.org)

English 10 is currently studying the conflicting philosophies of John Locke, Thomas Hobbes, and Jean-Jacques Rousseau and debating the essence of human nature: are humans inherently good or evil? They are preparing to read *Lord of the Flies* and will be studying the novel and the characters through this lens. As they read *Lord of the Flies*, the 10th graders will be analyzing symbols and characters to determine which of these philosophers was most correct in his views of humanity. **Contact:** [aradcliffe@energytechhs.org](mailto:aradcliffe@energytechhs.org)

### Mathematics

The Integrated Algebra classes are working on Inequalities, Equations, and Pattern-making. It is extremely important that all students are completing their homework on a separate sheet of paper. Students are now using ALEKS, and are expected to complete online work outside of class time - the computer lab will be open on Monday, Tuesday, and Friday mornings from 8:00am-8:30am, and after school most days. **Contact:**

[nfolwell@energytechhs.org](mailto:nfolwell@energytechhs.org), [dkaneris@energytechhs.org](mailto:dkaneris@energytechhs.org), [tlong@energytechhs.org](mailto:tlong@energytechhs.org)

The Algebra II/Trig students have just finished their unit on Rational Numbers. Their exams will be given back to this week. We are entering a unit on radicals. Extra help is highly recommended for this subject for extra practice on concepts learned in class. **Contact:** [dkaneris@energytechhs.org](mailto:dkaneris@energytechhs.org)

In Geometry, we have been working through a unit on Angle Calculations, in which students were asked to pair their computations with justifying facts as preparation for starting proofs very soon! Next week, students will begin using computers to enroll in our online standards mastery platform, ALEKS. The week following that, we will begin using dynamic geometry software (GeoGebra) in class in order to perform constructions and create interactive visual representations of geometric facts. **Contact:** [gdavis@energytechhs.org](mailto:gdavis@energytechhs.org), [tlong@energytechhs.org](mailto:tlong@energytechhs.org)

### Chemistry

Chemistry students have started their second unit and are looking at atoms - the basic building block of all matter. We've spent time learning about the history behind the atom and the scientists who contributed to the understanding of what exactly atoms are. We will be looking at all things relating to atoms in the next few weeks including protons, neutrons, electrons, elements, and soon how those elements combine to form compounds. Tutoring is available after school every Wednesday and Thursday, and as always, Ms. Garcia can be contacted via email at [agarcia@energytechhs.org](mailto:agarcia@energytechhs.org) with any questions or concerns.

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### ONLINE GRADE BOOK: POWERSCHOOL

Students were sent home with log-in information for PowerSchool in September. The instructions were printed on one page, and included both student and parent log-in instructions.

Please contact Ms. Alvarez ASAP if your child did not give you this important information. PowerSchool is an online platform where teachers post student grades and comments regularly. You may access the site using the link below:

<https://earlycollege.powerschool.com/public/>

Ms. Yablon assists student monitors who are responsible for materials and supplies for their laboratory activity. Student utilized indicators to determine in liquids were acids or bases. Students are enjoying the hands-on learning in the first floor science laboratory.



## Biology - The Living Environment

Students in Living Environment have now completed their first lab report, and are embarking on an exploration of life. They will begin with biochemistry and macromolecules before moving into a study of the cell. We will be offering after-school tutoring twice a week - Wednesdays and Thursdays from 3-4pm. This is a great opportunity for students to come work on lab reports (there will be computers and printers available), get their homework done, or ask questions about class content. If students are absent for lab sessions, they must come on the announced after-school date to complete the lab hour. This is an exciting unit, but it is rigorous and fast-paced, so students should be sure to keep up with their work and labs! **Contact:** [eyablon@energytechhs.org](mailto:eyablon@energytechhs.org), [mdelcastillo@energytechhs.org](mailto:mdelcastillo@energytechhs.org)

## Global Studies

10th grade students at Energy Tech are taking the 2-year Global Studies course in one year. They have this class for two periods each day, and are expected to complete a good amount of reading and writing outside of class time. The course will culminate in a Regents examination. During the first weeks, students delved into the Neolithic Revolution. Students read a variety of secondary and primary sources to learn about hunter-gatherer societies, the invention of agriculture, and early civilizations. Students studied the early civilizations of Mesopotamia, China, India, and Egypt. Topics such as writing systems, belief systems, early technology, legal systems and social classes were explored in depth through primary sources such as the Code of Hammurabi and the Epic of Gilgamesh. Students worked on finding textual evidence to support claims. **Instructors:** Mr. Lutterbein ([blutterbein@energytechhs.org](mailto:blutterbein@energytechhs.org)), Ms. Fried ([jfried@energytechhs.org](mailto:jfried@energytechhs.org)), Ms. De Marco ([ademarco@energytechhs.org](mailto:ademarco@energytechhs.org))

## Career and Technical Education

All students at Energy Tech participate in College and Career Foundations and pre-engineering courses before they begin to take technical courses at the college level, and before they participate in internships. This year, we are offering a wide range of project-based learning to give students a better idea of the opportunities available in engineering and in the energy industry. Classes are supplemented with field trips, guest speakers, job shadowing, industry mentoring, and more. **Instructors:** Mr. Ley ([sley@energytechhs.org](mailto:sley@energytechhs.org)), Mr. Soares ([lsoares@energytechhs.org](mailto:lsoares@energytechhs.org))

## Welcoming New Staff...

Our 9-14, Early College Initiative (ECI) and Career and Technical Education (CTE) program necessitates a different staffing model than what you would typically see in a public high school. Because of our unique program, we need additional staff members to develop and manage complex partnerships across the local Department of Education, the CUNY system, higher education, industry, and our broader community. We are pleased to announce that we have added Mark Rogerson as Industry Liaison to our team.

Growing up, Mr. Rogerson loved to ride dirt-bikes and ATV's. He would always take them apart and put them back together because of his fascination with how they worked. His first job, during high school, was at a fabrication shop, which furthered his interest in physics and the world around him. After high school, Mr.

Rogerson attended Motorcycle Mechanics Institute (MMI) in Orlando FL due to his passion for motorcycles. After studying at MMI, he decided that being a mechanic wasn't for him and instead went into construction. His first construction job was as a laborer in a small concrete construction company. Within six months, he was promoted through the ranks from laborer to foreman.

After a few years of construction he realized that he had a passion for design, which led him to pursue a degree in Mechanical Engineering. Mr. Rogerson started at SUNY Ulster and later transferred to The City College of New York, where he graduated with a Bachelor's of Engineering. During his time at City College, he interned at the NYC Department of Design and Construction and NASA. Mr. Rogerson is excited to work with future engineers at Energy Tech, and has eagerly jumped into the industry end of our work. Welcome, Mark!



10th grade students visited the Engineering Lab at LaGuardia Community College on October 27th, 2014. More groups will visit soon, for the purpose of observing the equipment and technology used, as well as to interact with students and faculty at the college. Thank you, Ms. Castillo, for organizing these events!



Industry mentoring has started at Energy Tech. On October 24th, our 10th grade students were joined by professionals from National Grid and Con Edison for an afternoon of conversation about goals and interests. Once per month, these mentors will visit to work with small groups of students, providing them with invaluable advice and support about college, careers, and good citizenship.

## MONTHLY CHALLENGE

This month, we challenge our parents and families to encourage their children to set goals for the coming marking periods. We have just finished report cards for the first marking period, but there is still a good deal of time before semester grades are entered in early February.

We encourage you to talk with your child about his or her strength areas so far, as well as areas for improvement. Ms. Alvarez has distributed club and tutoring schedules, and there are ample opportunities to get extra help. In many classes, also, we have fieldwork students from LaGuardia Community College who are happy to assist with classwork.

## Upcoming Events & Announcements

### Dates to Note

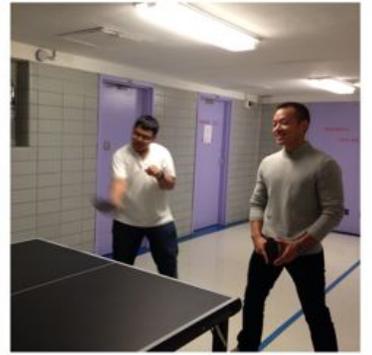
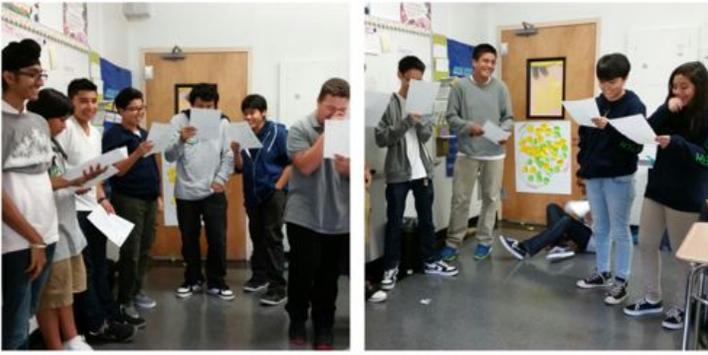
- **Monday, Nov. 10th:** Ms. Bartelucci's morning ELA class to visit Con Edison for the day - other classes will also participate in this trip soon.
- **Tuesday, Nov. 11th:** No School - Veterans Day
- **Thursday, Nov. 13th:** Con Edison Job Shadowing, 4:30-6:30pm; Open House at LaGuardia Community College, Poolside Cafe (E Building), 6-8pm
- **Friday, Nov. 14th:** Business Casual Day, November Town Hall Meeting
- **Thursday, Nov. 20th:** Con Edison Job Shadowing, 4:40-6:30pm
- **Thursday, Nov. 27th and Friday, Nov. 28th:** No School - Thanksgiving Recess

### Important Announcements

- If your child requires a 504 plan, needs to take medication while at school, or has an allergy, please contact the school as soon as possible to complete the required paperwork. The school medical team is in the process of going through student records, and updated physical and immunization information is required.
- Please ensure your child is spending time at home working on the ALEKS mathematics online program. Students may also use the labs at school from 8:00am-8:35am, or from 3:00pm-4:00pm most days. Please contact your child's math teacher for more information.
- Friday, November 14th will be a business casual day, as we will have our November Town Hall meeting on that day.



- We would love to have parent volunteers for upcoming Open House events to recruit new students. Our next events are on November 13th and November 19th from 6-8pm. The event on the 13th is at LaGuardia Community College, E Building, in the Poolside Cafe. The event on the 19th will be at our school. Please contact Ms. Quinones if you are available! ([dquinones@energytechhs.org](mailto:dquinones@energytechhs.org))
- If you have not yet scheduled a conference about your child's first marking period grades, please contact his or her advisor for an appointment. We are happy to accommodate you at your convenience next week. Our students have worked hard to prepare for this conversation, and we hope to finish all conferences by Friday, November 14th.
- Chancellor Farina is hosting a citywide meeting for high school parents on Saturday, November 15th at Tweed Courthouse (52 Chambers St., New York, NY). The event will take place from 8am-1pm, and will cover topics such as helping high school students with organization, recognizing the signs of bullying, and being involved in the high school community. Please let Ms. Alvarez know if you are interested in attending and would like more information.



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