**Commack High School**

**Research Class of 2016**

**Rahul Chakravorty**

Georgia Institute of Technology

*The Incorporation of Mobius Characteristics in Bridges*

*“In high school, I looked forward to two things – research and the end of it”.*

**Xiaoxuan (Emily) Chen**

University of Pennsylvania

*Smart Windows for Modulating Space Heating*

*“Research gave me the opportunity to take on the title: ‘#Chen@Penn2020’.”*

**Daniel Choi**

Boston College

*The Effect of Ginger (Zingiber Officinale) on the Neuroinflammation Precipitated by Environmental Copper*

**Monica Cramer**

Binghamton University

*Analysis of Multi-center Robotic Inguinal Hernia Outcomes Across New York State*

*“Knock knock*

*Who’s there?*

*Not Monica*

*She graduated.”*

**Brianna Delgado**

Carnegie Mellon University

*Simulating Microbial Communities to Model Network Evolution*

*“In research, I worked about as hard as autocorrect when Kurtz writes emails.”*

**Victoria Ferlauto**

Emory University

*The Response of Planarian to Light during the Regeneration Process*

*“Victory without honor is hollow.”*

**Jake Finnell**

University of Alabama

*Does the Memory of Planaria Transfer after Separation?*

**Vignesh Gunasekaran**

Stony Brook University

*Does St. John’s Wort Cause Addiction in Planaria?*

*“Science is full of infinite possibilities, and all you need to be a great scientist is a thirst for knowledge”*

**Austin Izen**

University of Michigan

*The Development of Sports Equipment for the Mentally and Physically Disabled*

*“I feel like I'm too busy writing history to read it” -Kanye West*

**Aryana Javaheri**

Brown University

*The Incorporation of Mobius Characteristics in Bridges*

*“Research may be tedious, but it's always progressive, whether it's a step in the right direction or an indication to change your path.”*

**Daniel Jung**

William E. Macaulay Honors College

*The Correlations Between Systemic Problems, Age and Gender to the Severity of Periodontal Disease*

*“Science Research has taught me to never stop questioning in any circumstance. Furthermore, I was taught to never be discouraged, because every failed attempt discarded is another step closer to what I want to accomplish.”*

**Mikayla Katz**

Stony Brook University

*Differences in Comorbid Disorders Between Males and Females with Tourette’s Syndrome And Persistent Tic Disorders*

“What did you find?” “Oh... Nothing”

**Ibrahim Khan**

Stony Brook University

*Explore the Effect of Resonance Frequencies and the Resulting Vibrational Patterns Produced on Flat Planes*

*“Closing the research room already‽ It's only 5:00 PM!”*

**Ryan Lee**

New York University

*A Comparison of the Visual Reaction Time Between Student Athletes and Non-Athletes*

**David Li**

Harvard University

*A Multi-Dimensional Implementation of Named Data Networking for Embedded Systems*

*“If at first you don't succeed, don't blame Murphy's Law, lest you face the Angry-Murphy's Law next time”.*

**Noah Marinaro**

Cornell University

*An Investigation of Past and Current Weather Data from Mohonk Preserve, 1890 to 2012*

**Lucas Marmorale**

University of Michigan

*The Structure of the Nuclear Pore Complex in Primary and Metastatic Prostate Cancer Cells*

“Research is the greatest way to learn a lot about a little”.

**Caitlin Passaro**

University of North Carolina at Chapel Hill

*Stress, Compassion Satisfaction/Fatigue, and Burnout in Mental Health Professionals*

*“When you spend months doing research, writing papers, and analyzing data and the only award you win at the science fair awards ceremony is the SAAWA 2016 Volunteer Service Award for past community service work.”*

**Vincent Pennetti**

Boston University

*A Genetic Analysis and Organogenesis of Unique Clover Phenotypes*

*“Plant lives matter.”*

**Adam Portnoy**

Binghamton University

*Identifying Weather Trends Over a 100 Year Time Period on the North Shore of Long Island, NY*

*“There's not a star in heaven that we can't reach” - Troy Bolton and Gabriella Montez*

**Mehtaab Sawhney**

University of Pennsylvania

*A Study of Bar and Arc-K Visibility Graphs*

*“Research is an escape from life.”*

**Hassam Syed**

United States Naval Academy

*Social Behavior of Students in a High School Cafeteria and the Importance of Food*

*“Be proud of who you are, where you are, and what you’ve done to achieve both.”*

**Erick Vaysman**

Binghamton University

*The Development of Sports Equipment for the Mentally and Physically Disabled*

*“I’m not a business man. I’m a business, man.”*