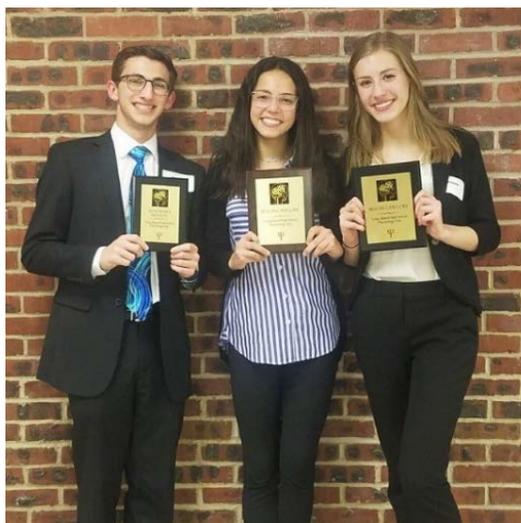


Superintendent's Highlight January 11, 2019

This has been a week of outstanding accomplishments for the staff and students who are involved with our science research program. After a year of hard work and missed summer fun, these students have claimed some of the most prestigious prizes in science competitions.



Thirty-six students submitted papers for the **Regeneron Science Talent Search** this year, and senior Stefan Philip was named a Semi-Finalist. **Stefan's** project, *Forecasting the Progression of Temporal Orientation Through the Language of Social Media Using Machine Learning*, successfully used computer science to assess the temporal orientations of Twitter users using the language found in 1.7 million tweets, from 4,000 users, over a 20-week period to predict the progression of their temporal orientation. Stefan conducted his research with the Computer Science Department at Stony Brook University. He has been awarded a \$2,000 prize and POBJFKHS has been given \$2,000 to support our school.



As if this was not enough, three research students were named winners at the **2019 Long Island High School Psychology Fair**. Jessica Goldstein won best-in-category in Biopsychology, Alyssa Iryami won best-in-category in Health Psychology, and Evan Ressel was the second place winner in the category of Educational Psychology.

Jessica's study, *The Novel Volumetric Quantification of the Chemobrain Phenomenon with a Pediatric Population*, was the first to investigate both the neurophysiological and cognitive alterations that occur within chemotherapy-exposed pediatric cancer patients. **Alyssa's** research, *The Impact of Corporization of Health Care on Physicians' Perceptions of the Medical Practice*, found that physicians in the corporate structure are experiencing significantly greater levels of moral injury and lower levels of autonomy than private practice doctors. **Evan's** project, *Unintended Consequences of the Opt-Out Movement: The Potential Negative Impact of Boycotting Standardized Tests on Academic Buoyancy*, studied how avoiding academic challenges may negatively impact students' confidence and resiliency.

Congratulations to Mrs. O'Donnell, Mr. Tesar and all of the staff who have worked with these outstanding students over the years to help them achieve these outstanding recognitions.

For more information on our outstanding research program and the variety of opportunities available to students, visit our high school website departments page under Independent Research.