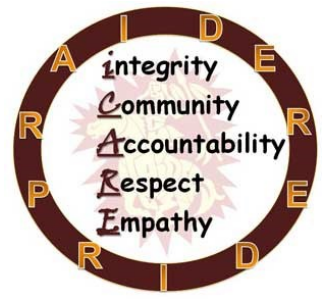


2018

Student Projects



Senior Division

Sleeping In Class

Keven Lika, Francis Cheeran, Parker Fields (South Colonie)

A Quantitative Sampling of Macroplastics and Microplastics in Select Shorelines in

Lake George, New York

Danielle Kitchner (Hudson Falls)

Little Worms, Big People:

A Study of *C. elegans* as a Model System

Febronia Mansour (Guilderland)

Vision Based Intelligence in Robotics

Ved Kumar (Guilderland)

Your Brain on Dreams: An Analysis of the Impact of Dreams and Dreaming on Waking Life

Silma Subah (Guilderland)

Assistive Produce Pick

Hamia Mahmood, Jonni Nazarian, Lindsey Podlaski (South Colonie)

Effects of Electrical Ionization

Max Lockett (Tech Valley)

Effect of Beta-Amyloid on Memory

Formation in *Dugesia Tigrina*

Abrielle Swartz (Hudson Falls)

Mirror Mirror on the Wall,

Who is the Fairest of Them All?

Julia Liu (Guilderland)

The Effect of Environmental Size on the Navigational Competency

of *Physarum polycephalum*

Kayla Denny (Hudson Falls)

Prevalence of Orthorexia Nervosa in Accordance with Socio-Cultural factors in a College Population based on the ORTO-15 and Related Questionnaires

Anne Kiernan (Hudson Falls)

Intercropping Red Norland Potatoes and French Marigold to Attract the Twelve Spotted Lady Beetle as a Biological Control Method for Colorado Potato Beetle Populations; the Benefits of French Marigold

Jessica Petteys (Hudson Falls)

Environment or Beekeeping Practices: What effects Varroa mite populations in honey bee colonies?

Sena McLaughlin (Hudson Falls)

Into The O.C.E.A.N.: An Exploration of Frank Sulloway's Birth Order Theory & The Big 5 Personality Traits

Taniya Thomas (Guilderland)

The Gradient Effect of Perfluorooctanoic Acid (PFOA) and Perfluorooctanesulfonic Acid (PFOS)

Using Mayflies (Ephemeroptera), Stoneflies (Plecoptera) and Caddisflies (Trichoptera) as Biological Monitors in the Hoosic River

Kierra McCarthy (Hudson Falls)

Junior Division

Career Coder

Shane Thrasher (Tech Valley)

Pine Bush Field Guide

Lorelei VanWie-Adair, Simon Vankuren (Tech Valley)

AI Powered Multi-Spectral Intelligent Robotic System for Search and Rescue

Ariya Dattamajumdar (Niskayuna)

Score Shades

Marisa Heinze (South Colonie)

First Robot

Ian Jensen (Tech Valley)

The Potential Benefits of Transforming Vacant Space in the South End of Albany *Mustafa Muhi, Israel Washington, Themba Pieterse (South Colonie & Albany)*