



1ST

Emilia Quinn Syvertsen (Kellenberg Memorial High School)

Kellenberg Memorial High School

GL-PAW1; variant analysis on the canine population.

1ST

Hanna Ryan Heitefuss (Long Beach Schools)

Long Beach Schools

Investigating Saltwater Intrusion on the Development and Growth of Vigna radiata and Heart Modulation of Daphnia magna

1ST

Elizabeth Ziegler (Grand Avenue Middle School), Hailey Hecht (Grand Avenue Middle School)

Grand Avenue Middle School

Which brand of hyaluronic acid, CVS brand or CeraVe, is most effective at increasing the regeneration rate of Dugesia tigrina?

1ST

Ilaria Rose Papatheodorou (W. T . Clarke Middle School), Sophia Chen (W. T . Clarke Middle School), Nikki Li (W. T . Clarke Middle School)

W. T . Clarke Middle School

The Effect of Natural Barrier Patterns on Soil Erosion of Cropland

1ST

Kamilla De La Paz (Mineola), Alice Cosgrove (Mineola), Valentina Rafuna (Mineola)

Mineola

The Effect of 1% Caffeine on the Pulse Rate of Lumbriculus variegatus

1ST

Ethan Butov (Jonas E. Salk Middle School)

Jonas E. Salk Middle School

BioShield: Building Climate Change Resilience Through Nature-Inspired Wildfire Defense

1ST

Lenna Karwowska (Copiague Middle School)

Copiague Middle School

Investigating the Comparative Effects of Tapioca Starch Based and Polylactic Based Bioplastic on the Mortality of Artemia Salina

1ST

Joseph Ohebshalom (Richard S. Sherman - Great Neck North Middle School), Lucas Livieim (Richard S. Sherman - Great Neck North Middle School), David Hakimi (Richard S. Sherman - Great Neck North Middle School)

Richard S. Sherman - Great Neck North Middle School

ProtectorPrint: Mobile Phone Radiation Blockers

1ST

Pranav Ramkumar (Hauppauge Middle School)

Hauppauge Middle School

Your First Aid in Assessing the Risk of Tick Diseases

1ST

Aditri Arun (Hauppauge Middle School)

Hauppauge Middle School

Orange is the New Green

2ND

Matthew Michael Ragona (Long Beach Schools), Kieran Patrick Cohoon (Long Beach Schools), Levi Menashe Schwartz (Long Beach Schools)

Long Beach Schools

Linking Local Waterway Nitrate Levels to Aquatic and Plant Responses Using Daphnia magna and Vigna radiata Bioindicators

2ND

James Mao (Grand Avenue Middle School), Scarlet Yin (Grand Avenue Middle School), Osarugue Ogbahon (Grand Avenue Middle School)

Grand Avenue Middle School

What is the effect of neodymium magnets on the magnetoreception of Drosophila melanogaster?

2ND

Soni Haber (Long Beach Schools), Ryan Michael Ryszetyk (Long Beach Schools)

Long Beach Schools

Assessment of Folic Acid Effects on Germination and Growth Dynamics of Mung Beans and Heart Rate Modulation in Daphnia magna

2ND

Sarah Wu (Grand Avenue Middle School), Katie Lin (Grand Avenue Middle School)

Grand Avenue Middle School

How does Streptomyces griseus and Rhizobium leguminosarum affect the growth of Pisum sativum?

2ND

Rosemary Palma (W. T . Clarke Middle School), Jeanamarie Otero (W. T . Clarke Middle School), Ajooni Chandhok (W. T . Clarke Middle School)

W. T . Clarke Middle School

The Effect of Seawall Shape on Tsunami Flooding

2ND

Cole Sells (Copiague Middle School), Juliette Peralta (Copiague Middle School)

Copiague Middle School

Prosthetic Vs. Human

2ND

Yeslie Ventura (Copiague Middle School)

Copiague Middle School

The Effect Temperature Has on Magnetism

2ND

William Li (Richard S. Sherman - Great Neck North Middle School), Vincent Yu (Richard S. Sherman - Great Neck North Middle School), Luke Jin (Richard S. Sherman - Great Neck North Middle School)

Richard S. Sherman - Great Neck North Middle School

A Hidden Hazard: Measuring VOC Emissions by Cleaning Products

2ND

Victoria Bian (Richard S. Sherman - Great Neck North Middle School), Noa Friedrich (Richard S. Sherman - Great Neck North Middle School), Adena Yang (Richard S. Sherman - Great Neck North Middle School)

Richard S. Sherman - Great Neck North Middle School

Pitted against Pigments

2ND

Taran Sathish Kumar (Hauppauge Middle School)

Hauppauge Middle School

EcoShield: Which Plant Extract Protects Metals from Corrosion in Salt Water?

3RD

Andrew Benjamin Schneider (Long Beach Schools), Lucas Onufrock (Long Beach Schools)

Long Beach Schools

*Evaluating α -Pinene for Natural Plant Bioactivity in *Vigna radiata* and Inhibition of *E. coli**

3RD

Jaime Mendoza (Long Beach Schools)

Long Beach Schools

*Toxicological Assessment of Ibuprofen on Germination and Growth of *Vigna radiata* and Cardiac Response in *Daphnia magna**

3RD

Leah Perro (Mineola), Amelia Deonarine (Mineola), Julia D'Amico (Mineola)

Mineola

The Effect of Varying Caffeine Concentrations on Lumbriculus variegatus Regeneration

3RD

Taylor Sarosy (Mineola), Ana Pereira (Mineola), Meghan Santaniello (Mineola)

Mineola

The Effect of 0.5% Caffeine on the Segment Regeneration of Lumbriculus variegatus

3RD

Shreya Balaji (W. T . Clarke Middle School), Ireoluwatomi Treasure Adisa (W. T . Clarke Middle School), Elizabeth Nwaugo Eze (W. T . Clarke Middle School)

W. T . Clarke Middle School

The Effect of Building Structure Shape on the Damage from High Wind Speeds

3RD

Anala Amin (Copiague Middle School)

Copiague Middle School

Smart Sprouting

3RD

Anna Xiao (Great Neck South Middle School), Kian Edwards (Great Neck South Middle School), Gabrielle Wu (Great Neck South Middle School)

Great Neck South Middle School

The Effect of Different Medication Delivery Methods on Solubility

3RD

Jesse Stone (Hauppauge Middle School)

Hauppauge Middle School

Analyzing Fermentation Efficiency Using Corn By-Products as Biofuel

3RD

Daksh Manu (Hauppauge Middle School)

Hauppauge Middle School

The Science of Hydration: A Comparative Efficacy Study

3RD

Olivia Pearl (Hauppauge Middle School)

Hauppauge Middle School

Healthy Gut, Happy Life

H.M

Daniel Pilott (Grand Avenue Middle School)

Grand Avenue Middle School

What is the effect of Aluminum Sulfate Octadecahydrate on the Regeneration Rate and Behavior of Dugesia tigrina?

H.M

Jet Holmes (Friends Academy), Timothee Pelletier (Friends Academy), Armaan Walia (Friends Academy)

Friends Academy

Compressed Air Engine

H.M

Luciano DeMarino (Grand Avenue Middle School), Eftihios Bakaloudis (Grand Avenue Middle School), Michael Wu (Grand Avenue Middle School)

Grand Avenue Middle School

How do synthetic versus organic fertilizers such as (Miracle Gro) and (Dr. Earth) affect the growth of Ocimum basilicum also known as genovese basil while being grown indoors?

H.M

Nsanta Udah (Howard T. Herber Middle School), Andrea Ruano Maldonado (Howard T. Herber Middle School), Saniyah Kendall-Fisher (Howard T. Herber Middle School)

Howard T. Herber Middle School

The 5 Second Rule

H.M

Shelby Zwillick (Howard T. Herber Middle School), Aya Hassounia (Howard T. Herber Middle School),
Juliana Miletic (Howard T. Herber Middle School)

Howard T. Herber Middle School

Pool Paint Panic

H.M

Gabriella Olszowy (Copiague Middle School)

Copiague Middle School

Roll With It!

H.M

Chloe Xu (Great Neck South Middle School), Lillian Li (Great Neck South Middle School)

Great Neck South Middle School

The Effects of Rubber Turf Pellets on Plant Health and Growth

H.M

Perende Shi (Great Neck South Middle School)

Great Neck South Middle School

The Effect of Different Commercial Cleaners on Bacterial Growth

H.M

Linus Chen (Richard S. Sherman - Great Neck North Middle School), Giselle Lin (Richard S. Sherman -
Great Neck North Middle School), Victor Yang (Richard S. Sherman - Great Neck North Middle School)

Richard S. Sherman - Great Neck North Middle School

Smells vs. Cells: Do Essential Oils Stop Bacterial Growth?

H.M

Emilie Baldwin (Locust Valley Middle School)

Locust Valley Middle School

Water Goals: Clean and Sparkling