

Senior Division

Overall Winner

5176 A Novel Extraction of the Pyrrolizidine Alkaloids from *Petasites hybridus* to Create an Anti-Spasmodic Supplement for Equine COPD

Brewster High School

Biological Division

1st - ODD

5145 Hot or Not? The Power of Beauty

Amity Regional Senior High School

1st - EVEN

5050 Mudslide Mitigation Protocols for Southern California using Enhanced Germination Technologies in *Larrea tridentata*

Brewster High School

2nd - ODD

5087 Development of resistances in bacteria over time to antibacterial compounds

New Milford High School

2nd - EVEN

5158 What is the most effective color for memorization?

Amity Regional Senior High School

3rd - ODD

5109 How Does Lactic Acid Affect *E. Coli*?

Danbury High School

3rd - EVEN

5138 How Low Can It Go?

Bethel High School

Physical Division

1st - ODD

6143 Neural Network Robotic Sensory Control
Newtown High School

1st - EVEN

6050 The Effects of Temperature on the Hardenability of Metals
Danbury High School

2nd - ODD

6511 In pursuit of the wolf: A quantitative analysis of tones on the violin.
Danbury High School

2nd - EVEN

6134 The Creation of Emulsion Between Oil-in-Water Surfactants
Danbury High School

3rd - ODD

6126 Phytonutrients ability to neutralize free radicals and act as antioxidants
Danbury High School

3rd - EVEN

6063 The distribution of environmentally sensitive metals in the New Haven Green
Amity Regional Senior High School