



2024 Student Projects



High School

Proof of Concept: Analyzing the Structure and Durability of an Autonomy-Supportive Skiing Aid

Thomas Bundy (Saratoga Springs)

Understanding the Health Burden of Colorectal Cancer and Preventable Measures

Angela Tawfik (Guilderland)

Elderly Lift Assist

*Jacob Kotary and Alexander Coon
(South Colonie)*

Bus Ventilation Project

*Sydney Le, Akshayraj Rathore, and Ryan Staley
(South Colonie)*

Shelf Assist

*Dylan Kellerman, Antonio LoGiudice,
Kyle Lauder, and Muhammad Shahzad
(South Colonie)*

Apple Catcher

*Keira McFeeley, Julia Bancheri, and Kledio Collari
(South Colonie)*

Redirecting Airflow

*Nate Merin, Ryan Mele, Ayden Corbett,
and Lincoln DiPace (South Colonie)*

Garnet

Sofia O'Brien (South Colonie)

Elementary & Middle School

How does popcorn pop?

*Jameson Binkley (1)
(Veeder Elementary)*

Homemade Earthquake/ Ground Vibration Alarm

*Souradip Kar (2)
(Veeder Elementary)*

How Cats See in the Dark

*Clover Dwyer (2)
(Roessleville Elementary)*

Spiders: Nature's Architect

*Emanuela Conte (3)
(Veeder Elementary)*

What happens if you touch electricity?

*Covan Pedersen (3) and Zylan Pedersen (K)
(Shaker Road Elementary)*

Computer Programming

*Harrison Holford (4)
(Roessleville Elementary)*

Rock Candy and Tanghulu

*Adrianna Vice (5) and Olivia Langlois (5)
(Sand Creek Middle School)*