

## CARLISLE HIGH SCHOOL TEAM PROJECTS

STUDENT FIRST NAME	STUDENT LAST NAME	STUDENT 2 FIRST NAME	STUDENT 2 LAST NAME	AWARD	PROJECT TITLE
Scott	Bowser	Justin	Yuen	2	The Effects of an Acidic Diet on Dental Fillings
Vera	Buraya	Alex	Sedlak	3	Does Mint Actually Cool Things Down?
Raleigh	Cardin	Ravyn	Byers	1	Rapid Radish Seeds: Effects of irradiation on seed germination
Liam	Crider	Zach	Davinroy	HM	Is magnetized transportation more efficient then non magnetized transportation?
Delaney	Crim	Madison	Pontious	HM	Different types of soil affecting pressure on walking mammals
Mia	Fry	Taytum	Robinson-Covert	3	Rate of Paper Decay
Michael	Julias	Kristina	Kaufman	3	The Russian Roulette
Delaney	MacNamara	Kellan	Ruf	1	Personality Type: Social Media Usage
Riley	Perry	Lyra	Carlton	1	Electrolytes
Andrew	Raymond	Robert	Lissner	2	Effects of Radiated Water on Plant Growth
Sydney	Sayles	Elizabeth	Wickard	3	Does the Difference in Age of Cars Affect the Carbon Monoxide Level?
Liam	Shevlin	Ryan	Jin	2	Cool Beans
Bruce	Smith	Ethan	Schoenfeld	1	Can You Hear Me Now: A Study of Sound Insulation.
Toni	Sprouse	Rochelle	Doyle	3	Dissolving Bath Fizzies
Holly	Stiltner	Meg	Ulrich	3	Potato Chip Fat

## CARLISLE HIGH SCHOOL INDIVIDUAL PROJECTS

STUDENT FIRST NAME	STUDENT LAST NAME	AWARD	PROJECT TITLE
Josh	Abbas	3	The Effectiveness of Wind Power
Brenden	Ahl	1	Different Surface Bounces of a soccer ball
Alison	August	3	How Does Microwave Radiation Effect Plants
Tate	Austin	2	Does playing video games increase your short term memory?
Evan	Bates	1	Hanging by the tips of my fingers
Lynnze	Bender	P	How Does Radiation Affect the Growth of Yeast?
Xavier	Boak	2	The Effects of TIDE on Corn Plants

Cole	Boback	1	Model Wind Turbines
Andrew	Bowlus	2	Get That Song Out of My Head: Testing Retention of Words with Music
Arianna	Line	1	Sound: An Unexpected Journey
Jacob	Coburn	3	Truss bridge design strengths
Jacob	Compton	HM	Gravitropic Growth
Bernard	Cornali	3	Chemical Resilience of Decking Material
George	Cornwall	HM	Properties of Paper Airplane Flight
Noah	Costopoulos	3	Does PSI effect how far a football travels?
Deirdre	Cuff	3	Torque of a Turn
Annibale	DeLorenzo	1	Effect of Mass Concentration on Disc Golf Disc Flight
Josh	Denlinger	2	Strip Test: Positive vs Negative Encouragement
Annelise	DeYoung	1	Which part of a walnut tree causes the greatest harm to plants because of the toxic juglone substance?
Bryce	Doane	2	Analyzing Film Soundtracks and Recognizing Trends Between Genres
Alexis	Dyson	HM	Micro Critters In Creeks
Sarah	Ebert	P	Determining and Applying the Energy Profit of Various Plants
James	Echevarria	3	For Rust or Bust?
Stephen	Elder	1	Dual Sphere Collision on Multiple Surfaces
Caitlin	Fay	HM	California's Water Safety vs. Pennsylvania's Water Safety
Max	Fiorentino	1	Wind drag of a roof rack
Drew	Gable	2	Durability of Roofing Types on Withstanding Acid Rain
Owen	Hacker	3	does temperature affect the bounce of a lacrosse ball
George	Hackler	3	The effect of drag on bird models
Sidney	Hall	HM	Symbiosis: Elodea and Goldfish
Thomas	Hallman	2	The impact of one's identified race on their ability for facial recognition and recall
Tyler	Hallman	2	The Impact of Color on Memory
Kennedy	Harbaugh	HM	Does limestone have a better capillary action than sandy soil?
Max	Haseman	HM	Effect of Varying Temperature on Electromagnet Strength
Samuel	Haseman	1 -2nd grand champion	The Effect of Fuel Manufacture Method on Sugar-Nitrate Rockets
Michael	Hickey	3	Calls for service for Union Fire Company prediction calendar
Bonnie	Hite	HM	How Sugar Content Affects the Expansion Properties of Sugar Cookies
Eric	Hoover	HM	Is the standard, three bladed turbine, better than a naturalized, tree lookalike, turbine under the same conditions of 4 fans?

Gianna	Horton-Sibble	HM	Colorful Conundrum
Matthew	Hoss	2	Effects of Alka-Seltzer tablets in water
Amelia	Howard	2	Alternative Biofuel-The Future of Fuel
Stephen	Hume	2	Effect of Color Grading on Emotion
Palin	Hurst	2	How does a golf ball compared to the price it costs affect the distance it will go?
Sean	Jones	HM	What method of flower preservation works the best?
Laney	Keel	3	Essential Oils Effecting Fevers
Brayden	Kent	HM	Acidic Grass
Adynn	Kibler	1	Decomposing Peat Pots Using Worms
Kassidy	Killinger	2	Roots Vs Soil: Erosion at its Worst
Chloe	Kot	3	Ballet And Physical Coordination
Summer	Kristofek	3	Homemade Onion Skin Dye vs Artificial Dye
Braden	Kronheim	1st- 1st grand champion	Diamagnetic Repulsion of Water
Bryson	Kronheim	3	Affect of Density on Speed's Light
Olivia	Lane	2	Light Speed Affected through Colored Jell-o
Morgan	Leshniowsky	2	Erosion Barriers
Abigail	Lindsay	1	Which softball, when hit, will travel the furthest distance, the 11 inch or the 12 inch?
Jessie	Lissner	3	What type of field hockey ball will travel the farthest?
Ian	Loscher	3	The affect of different concentrations of bleach on roof algae.
Xenia	Makosky	1	Determining Effects of Varying Glyphosate Concentrations
Peter	Mangelsdorf	3	Freiburg Assembly Standard Efficiency
Katherine	Manti	HM	Music and preferences
Nick	Martin	1	Determining the Most Successful Placement of a Soccer Ball when Taking a Penalty Kick
Samantha	Martin	1	Cooling Pavement: The Effect of Reflective Paint on the Temperature of Concrete Over Time
Timothy	Mattaboni	HM	Does Repetition in Music Increase the Memorability of a Song?
Logan	Matter	HM	How Magnet Strength is Effected by Temperature
Emily	McNaughton	1	The effects of location on light pollution
Alana	McWilliams	2	Is your water pure?
Hailey	Mielkie	2	Measuring The Tensile Strength Of Hair

Cameron	Miller	HM	The Density Challenge: Which fruits pack a nutritional punch?
Jessalyn	Morrow	3	The Face of Solar Panels
Julia	Myers	2	Speedy Seedy Growth
Elizabeth	Neumann	HM	Sugar Content in Fruit
Matthew	Nord	1	How does stream water quality correlate to distance from agricultural sites?
Eli	Plant	1	The Conductivity of pH Levels
Rafael	Portilla	3	Does temperature difference affect the amount of electricity produced using the seebeck affect?
Erik	Praestgaard	1	The Real Life Birthday Paradox
Bjorn	Prandtner	3	Soil Sample Testing
Cameron	Puher	3	How Does Concrete React to Different Corrosive Acids
Carla	Ravelo-Szarvas	HM	Effectiveness of Laundry Detergent
Madison	Richwine	HM	Wash the Stain away!
Lisa	Sale	3	Does Temperature affect the frequency of a tuning fork?
Samantha	Smith	HM	Got Milk?
Benjamin	Smyers	1	Putting the Heat on Magnets
Zoe	Spielman	1	The Mean Green Algae Machine
Sabrina	Starling	HM	All Batteries Created Equal?
Kelly	Sullivan	2	At what concentration is colloidal silver toxic to daphnea magna?
John	Tegtmeier	3	Electromagnets On Plants
Mary	Thompson	3	Ice, Ice, Baby!
Jenna	Trolinger	HM	Which orange juice has the most amount of calcium and least amount of sugar?
Rita	Veneziale	3	Does the Ph level increase or decrease in spoiling milk?
Avery	Walters	1	The Drum Shell Struggle; Oak vs. Aluminum Shells
Lucy	Winn	1	Dehydrating Cucumbers with Crystals
Sierra	Young	HM	Glow or No?