

Special Award	Project#	Student	School	Teacher	ProjectTitle
Most Promising Future Study	SS-B 5	Isaac Morris	CCHS	Divers	Using Python to Check for A.I. Generated Paper
Best User Interface	EM-B 1	Alpin Singh	CSHS	Wade	Autonomous Following Suitcase
Ethusiasm	AS-C 6	Prateek Reddy	CSHS	Wages	The Effect of Berberine on the Heart Rate of Daphnia magna
Ethusiasm	AS-C 6	Anish Suryapeta	CSHS	Wages	The Effect of Berberine on the Heart Rate of Daphnia magna
Most In-Depth Knowledge of the Project and Background	CM 1	Nate Faulkner	CSHS	Taylor	Dlk1 Locus and Neurogenic Niche Regulation in Developing Cortex of DiGeorge Syndrome Mouse Model
Physical Display	EM-C 5	Carson Ray	CSHS	Hurst	TacTile: 3D Interactive Haptic Pin Display Using Novel Linear Motor Arrays
Creativity	MI-B 8	Keely Garri	FCHS	Smith	The effect of carbon nanotubes and heavy metals on E. coli and Bacillus cereus cultures
Future Engineers	EM-A 3	William Henderson	FCHS	Wade	EMG Controlled Prosthetic Hand
Most Practical	EM-B 6	Charlie Comer	FCHS	Hurst	Water Filtration and Movement by Hydrostatic Pressure Model
Poster Display and Compassion	SS-A 2	Holden Bryant	FCHS	Divers	Helping Children with Learning Disabilities Using Python
Best Direct Clinical Implications and Qualitative Needs Assessment	BH 4	Courtney Monard	HVHS	Taylor	Navigating Disparities in Dental Health - A Mixed-Method Investigation of Access to Dental Care in Virginia
Creativity	BH 7	Sophia Zeng	HVHS	Smith	Sustainable synthesis of carbon quantum dots as a fluorescence probe in medical bioimaging via a zebrafish model
Most Promising Future Study	ES 4	Chloe Herold	HVHS	Jvillers	The Correlation of Arctic Cyclones and Sea Ice Loss and its Relationship to Climate Change
Project Concept	AS-C 2	Carter Baka-Collins	JRHS	Bohland	Using eDNA to Detect an Invasive Crayfish (Procambarus clarkii) in the James River
Most Innovative Idea	PS-B 1	Jaiden Dann	LBHS	Jvillers	The Effectiveness of Biochar in Mitigating Salt Stress on Mung Beans
Most Passionate	CB 3	Brett Smith	LBHS	Levy	A Phylogenetic Analysis of the Origin of Neurononal Structures in Basal Holozoa
Best User Interface	EM-B 1	William Xiao	NHS	Wade	Autonomous Following Suitcase
Determination and Persistence	EM-C 8	Kiersten Lauer	NHS	Hurst	Automated Safety Paper Cutter
Creativity	BS 1	Sallie Boxley	PHHS	Fisher	Does Ability to Sight Read Music Affect English Reading Speed?
Creativity	MI-A 5	Samuel Glenn	PHHS	Browning	A Comparison of Various Vinegar's Antibacterial Effect on E. coli
Creativity	MI-A 5	Jack O'Keeffe	PHHS	Browning	A Comparison of Various Vinegar's Antibacterial Effect on E. coli
Creativity	MI-C 8	Molly Caroline Fitzgerald	PHHS	Smith	The effect of titanium dioxide nanoparticles on E. coli growth when exposed to ultraviolet light
Creativity	MI-C 8	Eve Foster	PHHS	Smith	The effect of titanium dioxide nanoparticles on E. coli growth when exposed to ultraviolet light
Creativity; Most Promising Future Study	PS-A 2	Lex Farmer	PHHS	Jvillers	Mycorrhizal Pathways between Quercus alba and Fagus sylvatica
Determination and Persistence	MI-A 9	Daniel Owen-O'quill	PHHS	Smith	The effects of chemicals found in fertilizer runoff on the bioluminescence of Aliivibrio fischeri
Enthusiasm	MS 4	Elliott Wiegard	PHHS	Smith	Two chemical methods for testing lead gunshot residues from two different rounds
Excellent Presentation Engagement	MS 1	Sarah O'brien	PHHS	Jvillers	The Effect of Various Substrates on the Strength of Mycelium-based Building Blocks
Genuine Enthusiasm for Research	PS-C 4	Kassidy Corker	PHHS	Jenkins	The Effect of Poa pratensis (Kentucky Bluegrass) Filtrate on the Germination Rate of Trifolium repens (White Clover) Seeds
Most Creative	ES 6	Kyla Wooldridge	PHHS	Smith	The comparison of chemical cleaner vs. naturally made persimmon calyx cleaner on the reduction of E. coli
Most Promising Future Study	BS 2	Kate Feldmann	PHHS	Fisher	Does Social Media Use Impact Attention Span in Adolescents?
Overall Presentation	EE 1	Michael Aziz	PHHS	Jvillers	Bioremediation of Arsenic Using Different Corynebacterium Biofilms
Team MVP	EM-A 7	Katie Coles	PHHS	Hurst	Educational Coding Language and Car
Best Approach to Experimental Challenges	CM 6	Kathryn Ha	SHSHS	Bohland	Investigating the Role of SNAI2 in the Proliferation of HCT116 Cancer Cells
Cool Under Pressure	EM-A 1	Austin Frantz	SHS	Taylor	The Impact of Airfoil, Diameter, and Pitch of Propellers on the Maximized Flight Time of a Quadcopter
Enthusiasm	ES 3	Mariam Abdelmalak	SHS	Jvillers	The Effect of Plant Type on Soil Erosion
Ethusiasm	MI-C 7	Hope Dolan	SHS	Browning	The Effect of S. marcescens on A. niger and C. globosum
Overall Presentation	EE 1	Joshua Manning	SHS	Jvillers	Bioremediation of Arsenic Using Different Corynebacterium Biofilms
Risk-taker Award	CB 6	Zane Ellis	SHS	Levy	Bioinformatic Analysis of COVID-19 Mutations
Creativity	SS-B 6	Eyad Al-Aromah	WFHS	Divers	Creating Different Types of Graphs with Python
Logical Approach to Troubleshooting	CM 4	Su Gursoy	WFHS	Bohland	Investigating the Effect of L-Ascorbic Acid on the Production of Collagen in Fibroblast Cells
Logical Approach to Troubleshooting	CM 4	Ayden McNulty	WFHS	Bohland	Investigating the Effect of L-Ascorbic Acid on the Production of Collagen in Fibroblast Cells
Most Promising Future Study	AS-A 8	Anissa-Rosa Morfa	WFHS	Jvillers	The Effect of Temperature on Plastic Bioremediation by Galleria mellonella
Most Promising Future Study	AS-A 8	Tammy Phung	WFHS	Jvillers	The Effect of Temperature on Plastic Bioremediation by Galleria mellonella
User of Technology	EM-D 5	Sanchit Baskota	WFHS	Hurst	Biometric Fortress: Enhancing Security with Fingerprint and Eyescanner Technology