

Type	First Name	Last Name	Grade	Project	Assigned Category	Child Fair(s)
I	McKenna	Sun	11	The Effects of Prebiotic Inulin Supplementation on Chronic Symptoms after Mild Traumatic Brain Injury	Animal Sciences	Paul Laurence Dunbar High School 1st defa
I	Kian	Rosenau	10	Predictors of Hepatitis C Treatment Uptake	Behavioral and Social Sciences	Paul Laurence Dunbar High School
I	Gabriella	Staykova	12	Students' Race and Perceptions of Professors' Instructional Competency and Mindsets	Behavioral and Social Sciences	Paul Laurence Dunbar High School
I	Winnie	Durant	12	Children of LGBTQ+ Parent Families' Feelings of Belonging to the LGBTQ+ Community	Behavioral and Social Sciences	Paul Laurence Dunbar High School 2nd
I	Rishita	Sontenam	12	Behavioral Effects of Low-Dose Prenatal Ethanol Exposure in Rats	Behavioral and Social Sciences	Paul Laurence Dunbar High School 3rd tie
I	Wenbo	Fan	12	Correlations Between Parental Involvement and Psychological Control with Student Educational Achievement	Behavioral and Social Sciences	Paul Laurence Dunbar High School 1st
I	Sanaa	Kahloon	12	New Directions for Learning and Development Outside of School: A Critical Bifocal Approach to Integrating Socio	Behavioral and Social Sciences	Paul Laurence Dunbar High School
I	Sadie	Bograd	12	Computational Analysis of K-12 Educational and Emotional Responses to COVID-19	Behavioral and Social Sciences	Paul Laurence Dunbar High School 3rd tie
I	Venkatesh	Suryadevara	11	Examining the effect of Juglone on Invertebrates	Biochemistry	Lafayette High School 1st defa
I	Nyasha	Musoni	12	Epigenetic Impacts on Genetic Stability and the Connection to Colorectal Cancer	Biomedical and Health Sciences	Paul Laurence Dunbar High School 1st
I	Khushi	Arora	12	Emergence of SARS-CoV2 and its Impact on the Burden of Other Respiratory Viruses	Biomedical and Health Sciences	Paul Laurence Dunbar High School 2nd
I	Erin	Stratton	12	Adolescent alcohol exposure and the vulnerability for addiction in adulthood	Biomedical and Health Sciences	Paul Laurence Dunbar High School
I	Jackson	Gabbard	12	Retrospective Review of Compliance with ASCO Guidelines on White Cell CSF Prophylaxis during Chemotherapy	Biomedical and Health Sciences	Paul Laurence Dunbar High School 3rd
I	Wendy	Wei	12	The Efficacy of Tissue Staining in Detecting Neurotoxicity	Biomedical and Health Sciences	Paul Laurence Dunbar High School
I	Preet	Patel	12	Determining the Optimal Method of Measuring Aortic Diameters	Biomedical and Health Sciences	Paul Laurence Dunbar High School
I	Emma	Falluji	12	Cardiac Consequences of Gestational Diabetes in Rats	Biomedical and Health Sciences	Paul Laurence Dunbar High School
I	Saisha	Dhar	12	Investigating the Apoptosis Signal-Regulating Kinase 1 (ASK1) Pathway in Hyperoxia-Induced Alveolar Type II Lu	Cellular and Molecular Biology	Paul Laurence Dunbar High School 2nd
I	JoonWoo	Park	12	The Impact of Errors in Alpha-Granule Packaging on Megakaryocyte Development	Cellular and Molecular Biology	Paul Laurence Dunbar High School 1st
I	Noah	de Castro	11	Effects of the Size of Drip Loops on Capillary Action of Water	Chemistry	Lafayette High School 3rd
I	Fernando	Macchiavello Cau	12	Incorporation of Lignosulfonic Acid in Nanofiltration Membranes	Chemistry	Paul Laurence Dunbar High School 2nd
I	Sarah	Albrecht	12	Analysis of the advantage of completing electrochemical HCO3 reduction prior to CO2 and O2 reduction	Chemistry	Paul Laurence Dunbar High School 1st
I	Chandler	Zhu	11	Testing Potential Therapies for Heart Failure with Computer Modeling	Computational Biology and Bioinforma	Paul Laurence Dunbar High School
I	Lynn	Ye	11	Automatically Finding Critical Genes Associated with Brain Circadian Rhythms Using Microarray Data	Computational Biology and Bioinforma	Paul Laurence Dunbar High School 1st
I	Max	He	12	Relationship of Age to Expression of Genes Associated with Prosocial Behavior	Computational Biology and Bioinforma	Paul Laurence Dunbar High School
I	Dominic	Verry	12	Modelling Incoherent and Coherent Feedforward Loops with Boolean Networks	Computational Biology and Bioinforma	Paul Laurence Dunbar High School 2nd
I	Dallas	Rager	12	Effects of Mutations in Choline Acetyltransferase (ChAT) that Cause Motor Disorders	Computational Biology and Bioinforma	Paul Laurence Dunbar High School 3rd
I	Hunter	Abshire	12	Exploring a Suitable Seismometer Location	Earth and Environmental Science	Paul Laurence Dunbar High School 2nd
I	Angela	Wang	12	Analyzing Zircons from Magmatic Rocks from the Franklin Mountains to Determine Correlation to Grenville Orog	Earth and Environmental Science	Paul Laurence Dunbar High School 1st
I	Christina	Lumpp	12	Micro-Meteorology Monitoring for UAVs	Embedded Systems	Paul Laurence Dunbar High School 1st Defa
I	Gabriela	Gonzalez	12	Creating Resilient Structures Using Biomimetics	Engineering Mechanics	Paul Laurence Dunbar High School 1st
I	Zach	Susini	12	Construction of a Wind Tunnel to Visualize Airflow Around Miniature Models	Engineering Mechanics	Paul Laurence Dunbar High School 2nd
I	Kiera	Fehr	10	Rewriting the Industry	Environmental Engineering	Henry Clay High School 1st
T	Tiyan	Duan	12	Optimizing the Efficiency of Wind Turbines Using 3D Printers	Environmental Engineering	Paul Laurence Dunbar High School 2nd tie
T	Jason	Yang	12	Optimizing the Efficiency of Wind Turbines Using 3D Printers	Environmental Engineering	Paul Laurence Dunbar High School 2nd tie
I	Alan	Liao	12	Simulation of Metalens with Nanostructures Constructed of an Optical Polymer and TiO2	Materials Science	Paul Laurence Dunbar High School 2nd
I	Franklin	Marrs	12	The Effect of Super-exchange Coupling in Donor-Acceptor Conjugated Polymers on Polarons and Bipolarons	Materials Science	Paul Laurence Dunbar High School 1st
I	Thomas	Ehrenborg	10		Mathematics	Henry Clay High School N
I	Emma	Jinright	12	The Relationship Between Matrix and Fusion Proteins in Paramyxoviruses and Pneumoviruses	Microbiology	Paul Laurence Dunbar High School 2nd no
I	Noah	Katz	12	Evolution of Dark Matter Halos: Input from Highest Resolution Simulations	Physics and Astronomy	Paul Laurence Dunbar High School
I	Cameron	Egbert	12	Classical Time-Crystal Dynamics	Physics and Astronomy	Paul Laurence Dunbar High School
I	Samuel	Hahn	12	Fly Off the Handle	Physics and Astronomy	Central Kentucky Homeschool Science Fair
I	Arik	Baron	12	Development of a Solver for Thermal Protection System sizing	Physics and Astronomy	Paul Laurence Dunbar High School 2nd
I	Andrew	Blakemore	12	Modeling Caustic Apertures that Enforce Uniformity upon a Detector's Acceptance	Physics and Astronomy	Paul Laurence Dunbar High School 3rd
I	Lohith	Tummala	12	The Minimization of Magnetic Field Gradients via the Placement of Specialized Coil Systems	Physics and Astronomy	Paul Laurence Dunbar High School 1st
I	Tharani	Subramaniam	12	Exploring the Impact of Nitrogen on Wheat Growth and Soil Water Dynamics Through Measurements and Simul	Plant Sciences	Paul Laurence Dunbar High School 1st
I	Aditya	Sundarrajan	12	Maximizing CBD content by processing of hemp flowers	Plant Sciences	Paul Laurence Dunbar High School 2nd
I	Varun	Hariprasad	10	Developing a Novel Autonomous Robot for Cleaning Oil Spills in Water	Robotics and Intelligent Machines	Paul Laurence Dunbar High School 1st
I	Nyxian	Harris-Palmer	12	A Dynamic Neural Network to Execute Long and Short Term Goals in a Strategy Based Game	Systems Software	Paul Laurence Dunbar High School 2nd
I	Benjamin	Chen	12	Natural Language Processing of Job Loss Related Tweets During the Pandemic	Systems Software	Paul Laurence Dunbar High School 1st
T	Joseph	Ilagan	12	Anatomical Overlay Using MediaPipe Pose	Systems Software	Paul Laurence Dunbar High School 3rd tea
T	Benjamin	Guan	12	Anatomical Overlay Using MediaPipe Pose	Systems Software	Paul Laurence Dunbar High School 3rd tea
I	Khalid	Rashad	12	Analyzing Behavioral and Gut Microbial Data to Improve Autism Screening and Diagnosis	Translational Medical Science	Paul Laurence Dunbar High School 2nd
I	Chris	Wang	12	A Deep Learning Analysis of the Brain to Identify Alzheimer's Disease	Translational Medical Science	Paul Laurence Dunbar High School 3rd
I	Anna	Chen	11	APOE Genotype, Sex, and Diet Interaction in Metabolic Profile in Response to Ketogenic Diet	Translational Medical Science	Paul Laurence Dunbar High School
I	Dylan	Li	12	Addressing the Need for Remote Patient Monitoring Applications	Translational Medical Science	Paul Laurence Dunbar High School 1st