

Category Code	Student Last Name	Student First Name	Student Grade	Title	School Name
MSC	Rychagov	Nicole	10	Mathematical Model of the Melting Arctic	Cape Henry Collegiate School
MSC	Carlson	William	11	Characterizing the Adaptation of Vessel Radius to Endothelial Shear Stress in the Vasculature of the Chick Chorioallantoic Membrane	Central Virginia Governor's School for Science & Technology
MSC	Li	Amber	11	The Effect of Sequencing Error on Read-Length Barrier	
MSC	Sanchez	Vivian	12	Bridging the Gender Gap in Computer Science	Chesapeake Bay Governor's School for Marine & Environmental Science
MSC	Bender	Kevin	12	Large-Scale Non-Negative Matrix Factorization for Community Detection on Graphics Processing Units	Clover Hill High School
MSC	Knickerbocker	John	9	The Effect of Different Forms of Encryption on the Efficiency of Encryption Using Two Factors	
MSC	McQuilkin	Alex	12	UMLS: Association with Concept Expansion	DERI Program - VCU School of Engineering
MSC	Brinson	Gregory	12	Math Modeling and Solar Cell Efficiency	Mathematics & Science Academy at Ocean Lakes High School
MSC	Canes	Trajan	12	Mining Profitability of Various Cryptocurrencies	
	Yuan	Alvin	12		
MSC	Guzman	Gheramy	12	Origami and Fractals	
MSC	McKinney	Alicia	12	The Golden Ratio in the Stock Market	
MSC	Smith	Joshua	12	The Optimization of Diets for Nutrition, Cost, and Caloric Intake through the Simplex Method	
MSC	Hamson	Annagrace	11	Aerial Image Analysis to Predict Wildfires	Mills E. Godwin High School
MSC	Nguyen	Victor	11	A Statistical Analysis of Addiction in the Online Gaming Demographic	
MSC	Niu	Andrew	10	The Effect of Education on Alzheimer's Incidence	
MSC	Parker	William	11	The Effect of Neural Network Training on Digit Recognition Accuracy	
MSC	Sadekar	Prachi	10	The Effect of Implied Volatility on Return from S&P 500	
MSC	Wu	Daniel	11	Computational and Mathematical Investigation of Tissue Oxygenation in Wound Healing	

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MSC	Bagby	Courtne	9	The Effects of Animation Software on How Well People Can Draw	Portsmouth STEM @ I. C. Norcom High School
MSC	Williams	Lishonda	9	The Effects of Search Engines and Terms on Efficiency	
MSC	Coulson	Samuel	11	The Economic Situation of Radford, Virginia	Southwest Virginia Governor's School
MSC	Covey	Grayson	11	The Efficiency of the United States Senate	
MSC	Gray	Collin	11	The Effects of Different CPU Core Counts and Clock Speeds on Performance	
MSC	Johnston	Skylar	12	How Move In and Move Out Dates of Local Colleges Affect Adoption Rates in Animal Shelters	
MSC	Mathis	Zoe	11	Gender Bias in the Media	
MSC	Thomas	Patrick	12	Deciduous Tree Leaf Identification with Artificial Neural Networks: Year 2	
MSC	Tomiak	Alexander	11	Determining the Accuracy of SIR Modeling to Predict Movie Popularity	
MSC	Aslanian	Mylinh	9	Jobs for Teens Under 18	T. C. Williams High School
	Peterson	Caroline	9		
MSC	Doney	Brendan	9	Code Conversion	
MSC	Walker	Majlis	9	Does it Matter? Testing the Environmental Significance of a Daily Endeavor	
MSC	Graf	Victoria	9	Statistical Evaluation of Riparian Area Land Use on Virginia Water Quality	Thomas Jefferson High School for Science & Technology
MSC	Jeong	Eugene	10	Planning an investment strategy for a ten million dollar fund based on statistical analysis of the past 20 years of financial data	
MSC	Bendon	Isaac	10	What is the effect of race on disciplinary action in schools?	Washington-Lee High School
MSC	Billera	Julia	10	The Effect of Aspect Ratio of Ellipsoids on Packing Density in Random Arrangements	
MSC	Cunningham	Caroline	9	The Effect of One Section of the Influenza Vaccine's Accuracy on the Overall Vaccine Effectiveness	
MSC	Schoer	Carsten	9	The Effect of Goals Scored, Average Ball Possession, Goals Conceded, Percentage of Shots on Target, Shots on Target, Shots and Fouls	
MSC	Williams	Malik	10	The Effect of Antivirus Detection Methods on the Number of Viruses Deleted	

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MSC	Day	David	9	Computing the Algorithmic 3-D Properties of Water and Wave Reflections in a Flood Effect Rendered on an Image	Yorktown High School
MSC	Mark	Ryan	11	A Smartphone Application that Learns, Detects and Analyzes Raman Backscattering to Both Distinguish Between and Identify Substances Based on their Chemical Composition	