

## 2021 Virginia Junior Academy of Science (VJAS) Research Symposium Acceptance List - Middle School All Categories

Category	School Name	First Name	Last Name	Grade	Research Paper Title
Animal & Human Sciences (AH)	George Moody Middle School	Addison	Kofron	8th	The Effect of Color on Attraction to Food on <i>Vanessa cardui</i>
Animal & Human Sciences (AH)	George Moody Middle School	Samantha	Lionberger	8th	Effect of Liquid Fertilizer on <i>Lumbricus terrestris</i> Growth
Animal & Human Sciences (AH)	George Moody Middle School	Aahana	Puri	8th	The Effect of Therapeutic Hypothermia and Whole-Body Vibration on the Behavioral Response of <i>Drosophila</i> Following Traumatic Brain Injury (TBI)
Animal & Human Sciences (AH)	George Moody Middle School	Nishorgo	Sarkar	8th	The Effect of Sugar Substitute and Glucose Concentrations on HepG2 Human Liver Cancer Cells
Animal & Human Sciences (AH)	Gunston Middle School	Patrick	Jiminez	7th	Do dogs 10-15 lbs. prefer a certain type of bed?
Animal & Human Sciences (AH)	Louise A. Benton Middle School	Rania	Lateef	8th	Opening Up a Can Of Worms
Chemical Science (CS)	Dorothy Hamm Middle School	Ophelia	Tulchinsky	8th	The Effect of the Type of Salt on the Amount of Corrosion of Steel Wires
Chemical Science (CS)	George Moody Middle School	Shriya	Bandla	7th	The Effect of Material of Container on The pH of Water
Chemical Science (CS)	George Moody Middle School	Sonvi	Chawla	7th	The Effect of Different Cleaning Agents on the Removal of Purple Acrylic Paint
Chemical Science (CS)	George Moody Middle School	Richard	John	7th	The effect of types of metals on corrosion rate
Chemical Science (CS)	George Moody Middle School	Neel	Joshi	7th	The Effect of Temperature on an Enzyme Catalyzed Reaction
Chemical Science (CS)	George Moody Middle School	Ira	Prakash	8th	The effect of various forms of analgesic medications on its solubility in simulated gastric acid
Chemical Science (CS)	Kenmore Middle School	Adam	Islam	7th	The Effects of Different Solvents on Permanent Marker Ink
Chemical Science (CS)	Kenmore Middle School	Logan	Krohl	7th	The Effect of Heat on the Time it Takes Grease to Solidify
Chemical Science (CS)	Louise A. Benton Middle School	Daniel	Simon	8th	The effect of bases on Staurolite
Chemical Science (CS)	Swanson Middle School	Julie	Marco	8th	The effect of the type of browning prevention method on the brownness of Red Delicious apples after 24 hours
Chemical Science (CS)	Swanson Middle School	Alexander	Thomas	8th	The Effect of SPF on Ultraviolet Exposure
Chemical Science (CS)	Williamsburg Middle School	Myra	Clark	8th	The Effect of the Temperature on the pH of Orange Juice
Ecology & Earth Sciences (EE)	Dorothy Hamm Middle School	Emma	Hensch	8th	The Effect of Public Transportation Use on Carbon Footprint per Capita
Ecology & Earth Sciences (EE)	Dorothy Hamm Middle School	Nadia	Lach-Hab	7th	The Effect of Water Filter Design on Water Clarity
Ecology & Earth Sciences (EE)	George Moody Middle School	Aditya	Badhrayan	8th	The effect of different concentrations of Sucralose on the heart rate of a <i>Daphnia Magna</i>
Ecology & Earth Sciences (EE)	George Moody Middle School	Renn	Clark	8th	The Effect of Oxybenzone and Zinc-oxide based Sunscreen on <i>Juncus Inflexus</i> in a Simulated Marsh Environment
Ecology & Earth Sciences (EE)	George Moody Middle School	Annabelle	Van Saun	8th	The Effect Of Silver Nanoparticles On The Death Rate Of Adult <i>Daphnia Magna</i>
Ecology & Earth Sciences (EE)	Thomas Jefferson Middle School	Dylan	Tallis	8th	The Effect of Salinity on Soybean Growth
Ecology & Earth Sciences (EE)	Williamsburg Middle School	Eloise	Minnigh	8th	What is the Effect of the Type of Soil and Contamination of Soil (Styrofoam) on the Survival of <i>Eisenia fetida</i> ?
Ecology & Earth Sciences (EE)	Williamsburg Middle School	Charlotte	Minnigh	8th	What is the Effect of Green Roofs on Building Temperature?
Ecology & Earth Sciences (EE)	Williamsburg Middle School	Anna	Mohanty	8th	The Effect of Electromagnetic Field Density on the Biomass of <i>Chlorella vulgaris</i>
Engineering & Technology (ET)	George Moody Middle School	London	Hart	7th	The Effect of Different Sport Helmets on Melon Splatter
Engineering & Technology (ET)	George Moody Middle School	Soumya	Khadye	8th	The Effect of Rotational Speed on the Light Reflected by Parabolic Reflectors
Engineering & Technology (ET)	George Moody Middle School	Arjun	Majety	8th	The Effect of Various Types of Cancers on the Severity of Covid-19 Infection
Engineering & Technology (ET)	George Moody Middle School	Tanvi	Nareddy	7th	The Effect of Different Bicycle Gear Ratio on Speed
Engineering & Technology (ET)	George Moody Middle School	Camellia	Sharma	8th	The Effect of Machine Learning Algorithms on Counting the Fish Population
Engineering & Technology (ET)	George Moody Middle School	Annie	Yuan	8th	The Effect of Different Back-To-School Plans on the Spread of SARS-CoV-2
Engineering & Technology (ET)	Kenmore Middle School	Shangwen	Cheng	8th	Effect of paper boat design on time and mass recorded
Engineering & Technology (ET)	Kenmore Middle School	Isla	Wearmouth	8th	The Effect of the Type of Stormwater Filtration Method on Collecting Litter
Engineering & Technology (ET)	Ronald Reagan Middle School	Lucy	Lu	7th	How to optimize parameters that would affect the speed of an electromagnetic train
Engineering & Technology (ET)	Short Pump Middle School	Amogh	Saunshimath	8th	The Effect of the Launch Angle on Flight Time and Flight Distance
Engineering & Technology (ET)	Swanson Middle School	Krish	Gupta	7th	Herbal Low-cost Water Filters
Engineering & Technology (ET)	Thomas Jefferson Middle School	Jarin	Earle	8th	How a Do-It-Yourself Mindset Became the Impetus for a Homemade Smart Mirror

Category	School Name	First Name	Last Name	Grade	Research Paper Title
Human Behavior (HB)	Williamsburg Middle School	Zara	Musa	7th	The Effect of Traffic Level on Number of Stress Responses
Mathematics: Patterns & Relationships (MP)	George Moody Middle School	Sattwik	Nath	8th	The Effect of Poverty Percentages on Voter Turnout
Mathematics: Patterns & Relationships (MP)	Ronald Reagan Middle School	Zareef	Said	7th	The Effect Of Mail-in Voting Fraud On a Battleground State's Election Result
Mathematics: Patterns & Relationships (MP)	Swanson Middle School	Henry	Stievater	7th	The Effect of School Size, Per-Pupil Expenditure, and Percent of Teachers with Advanced Degrees on SOL Pass Rates
Physical Science & Astronomy (PA)	George Moody Middle School	Sanaya	Bothra	7th	The Effect of Different Materials on the Absorption of Sound
Physical Science & Astronomy (PA)	George Moody Middle School	Abhinav	Gitta	7th	The Effect of Resistance of Different Types of Metals on Electrical Conductivity
Physical Science & Astronomy (PA)	George Moody Middle School	Aleksander	Kurgan	7th	Multiphonics on Euphonium: Solving the Mystery of the Third Note
Physical Science & Astronomy (PA)	George Moody Middle School	Tess	Vithoulkas	7th	The Effect of Different Materials on Reduction of EMF Radiation
Physical Science & Astronomy (PA)	Gunston Middle School	Theodore	Hwang	7th	How Does the Type of Current at Different Voltages Affect Electromagnetic Force?
Physical Science & Astronomy (PA)	Gunston Middle School	Dorothy	Hwang	7th	How Does the Type of Current at Different Voltages Affect Electromagnetic Force?
Physical Science & Astronomy (PA)	Ronald Reagan Middle School	Alina	Hashimee	8th	The effect of different types of masks on airborne particles
Physical Science & Astronomy (PA)	Ronald Reagan Middle School	Livia	Kouts	7th	The Effect of Different Materials on the Volume of Sound
Physical Science & Astronomy (PA)	Swanson Middle School	Colton	Moore	7th	The Effect of Surface Shape on Wakes
Plant Science & Microbiology (PM)	George Moody Middle School	Aditya	Banerjee	7th	The Effect Of Houseplants On Indoor Air Quality
Plant Science & Microbiology (PM)	George Moody Middle School	Sriram	Darsi	7th	The Effect of Different Types of Sugars on The Growth Rate of Yeast
Plant Science & Microbiology (PM)	George Moody Middle School	Cameron	Joyce	8th	The Effect of Radiofrequency Radiation During Phaseolus vulgaris Seed Germination on Subsequent Plant Growth
Plant Science & Microbiology (PM)	George Moody Middle School	Deepanshi	Kumar	7th	The Effect of Tea Leaves (Camellia Sinensis) on Pea Plant (Pisum Sativum) Germination Time.
Plant Science & Microbiology (PM)	George Moody Middle School	Alice	Zhang	8th	The inhibitive effect of Palmolive dish soap concentration on bacteria growth
Plant Science & Microbiology (PM)	Kenmore Middle School	Mia	Moret	7th	The Effect Of Pollutants on a Native Plant
Plant Science & Microbiology (PM)	Louise A. Benton Middle School	Nikki	Alemzadeh	7th	The Effect of Different Disinfectants on the Growth of E. coli
Plant Science & Microbiology (PM)	Sabot at Stony Point	Lucy	Yoder	8th	The Effect of Continuous Light on Helianthus Annuus
Plant Science & Microbiology (PM)	Swanson Middle School	Dalia	Singer	8th	The effect of different instruments on the amount of bacterial growth and how fast it grows
Plant Science & Microbiology (PM)	Swanson Middle School	Michelle	Telmuun	7th	The Effect of the different types of water on the different types of bean plants
Plant Science & Microbiology (PM)	Williamsburg Middle School	Jaya	Shah	8th	The Effect of Legumes on the Germination of Lactuca Sativa