

2021 Metropolitan Science and Engineering Fair Category Awards

Junior Division

MSEF Category	Place	Name	Grade	School Name	Project Title
Animal Science	1st	Adison H	8	King Science & Tech Magnet	Insects vs. Fish Flakes
	2nd	Aaron A	7	St. Vincent de Paul	That's the Way The Cookie Crumbles
Behavioral & Social Science	1st	Faith H & Lily M	8	Otte Blair Middle School	Does Color Affect Your Perception of Drinks?
	2nd	Maggie K	7	St. Margaret Mary School	Scary Differences Boys vs. Girls
	3rd	Elizabeth G & Katie G	7	St. Margaret Mary School	Scarmlbed Mseages
	4th	Tony N	8	McMillan Magnet Center	Blue Light Filters
Biomedical & Health Sciences	1st	Anuj S	8	Peter Kiewit Middle School	The Role of Oxidative Stress in Mediating the Effects of Gut Dysbiosis on Host Health
	2nd	Blythe K	8	Otte Blair Middle School	Do Concussion Bands Work?
	3rd	Audra M	8	McMillan Magnet Center	Is It In Your Blood?
Chemistry	1st	Shaylee G	8	Alice Buffett Magnet Middle School	What Water Works
	2nd	Naomi L	8	McMillan Magnet Center	Which Fruit Has the Most Vitamin C
	3rd	Benjamin D & T. J. L	7	St. Margaret Mary School	Fruit for Thought
Chemistry: Physical	1st	Micah S	8	Omaha Virtual School	Freezing Point Depressed
	2nd	Lauren L	8	Alice Buffett Magnet Middle School	Cooler or Fridge: Which is the Best Option?
	3rd	David A	8	Bryan Middle School	Do Fans Really Affect Body Temperature?
Chemistry: Reactions	1st	Siri D	8	Brownell Talbot School	Beat the Pandemic with DIY Oxygen.
	2nd	Ashlyn P	8	Alice Buffett Magnet Middle School	Eggcelent
	3rd	Nadia D	8	Otte Blair Middle School	Does Color Factor Into How Quickly a Candle Can Burn?
Earth & Environmental Sciences	1st	Esha M P	7	Westside Middle School	The Demonstration of Soil pH: Relative to Nutrient Availability and Native Plants of the Midwest
	2nd	Lauren S	8	King Science & Tech Magnet	Bananas for Decomposition
	3rd	Lauren L & Eva K	7	St. Margaret Mary School	H2 Oh No!
Engineering Mechanics	1st	Lance N	7	King Science & Tech Magnet	Suspension Mirrored or Not Mirrored
	2nd	Madison P	8	Alice Buffett Magnet Middle School	Earth Quake Sand
	3rd	Evan S	8	Alice Buffett Magnet Middle School	Bridge Builder
Materials Science	1st	Tori T	8	Alice Buffett Magnet Middle School	Beads and Bottles
	2nd	José H	8	Alice Buffett Magnet Middle School	Feel the Burn
Microbiology	1st	Audrey B	8	Alice Buffett Magnet Middle School	How Clean is Your Cleansing?
Physics	1st	Gavin M	8	Bryan Middle School	How to Measure the Line of Refraction with Gelatin
	2nd	Miles R	8	McMillan Magnet Center	The LONG Question

Plant Sciences	1st	Sadie L	7	McMillan Magnet Center	Big Worm Theory
	2nd	Ellis Y	8	McMillan Magnet Center	Will it Vine?
	3rd	Slaine R & Mary J	7	St. Margaret Mary School	D.A.B. Dehydrating Assorted Berries
Systems Software & Mathematics	1st	Daniel R	8	McMillan Magnet Center	A Helping Hand
	2nd	Zareena A	7	McMillan Magnet Center	Cracking the Code
	3rd	Madison N	8	King Science & Tech Magnet	Population Predictions with Programming

Senior Division

MSEF Category	Place	Name	Grade	School Name	Project Title
Animal Sciences	1st	Alyssa W	12	Zoo Academy	The Effect of Coral Choice on <i>Zebrosoma flavescens</i> Behavior
	2nd	Brynna O	12	Zoo Academy	How UV Light Affects Plumage Color in <i>Melopsittacus undalatus</i>
	3rd	Chelsea C	12	Zoo Academy	The Effect of Pyric Herbivory on the Behaviors of Native Grassland Birds
Animal Sciences: Mammalia	1st	Sabrina D	12	Zoo Academy	The Effect of Weather Conditions on <i>Zalophus californianus</i> Activity
	2nd	Izzy M & Cate W	11	Zoo Academy	The Effects of Precipitation and Temperature on <i>Zalophus californianus</i>
	3rd	Elizabeth M	11	Zoo Academy	The Eyes of the <i>Canis lupus familiaris</i>
	4th	Will A	11	Zoo Academy	The Effect of Weather on <i>Zalophus californianus</i>
Animal Sciences: Reptilia & Amphibia	1st	Evan N	12	Zoo Academy	Feeding Aggression of <i>Pantherophus guttatus</i> in Bioactive Vivariums and Terrariums
	2nd	Samantha P	12	Zoo Academy	Effects of Barometric Pressure on the Rate of Calling on Different Frog Species
	3rd	Jayne C	12	Zoo Academy	Correlation of Site Location to Anuran Biodiversity
Biomedical & Health Sciences	1st	Anvitha B	11	Millard North High School	Epigenetic Engineering in Immune Cells Prevents Disease-Causing Mechanisms in Atherosclerosis
	2nd (Tie)	Annika C	12	UNMC High School Alliance	Dissection-Based Investigation of Variations in Major Gross Arterial Supply to the Trigeminal Ganglion
	2nd (Tie)	Reema G	9	Millard North High School	COVID-19: In-depth Analysis of Coronavirus Mutations and Their Implications for the Future Outbreaks
Earth & Environmental Sciences	1st	Lauren S	11	Zoo Academy	The Internal Temperature and Humidity of Beehives in Winter
	2nd	Alex F	12	Zoo Academy	Smelly Bees: The Effect of Essential Oils on <i>Apis mellifera</i>
Earth & Environmental Sciences: Soil	1st	Annie F	12	Zoo Academy	The Ring of Fire: The Effects of Prairie Treatments on the Biodiversity of Native Mammals
	2nd	Matilda L	12	Zoo Academy	The Effects of Fire and Herbivore Disturbance on Soil Chemistry
Materials Science	1st	Mercedes R	9	Harry A. Burke	Masks Are Precautions to Be Taken: Experiments Representing the Efficiency of Face Coverings Relating to the SARS-CoV-2 Pandemic
	2nd	Katy B	11	Zoo Academy	The Effect of Chemicals on <i>Aegagropila linnaei</i> Growth

Microbiology	1st	Elisha M	12	Omaha Bryan HS/UNMC High School Alliance	Adapting CRISPR/i Technology in Studying Chlamydia Growth and Development.
	2nd	Claire B	12	Zoo Academy	Comparing the Efficacy of Paper Towels and Electric Air Dryers on Hand Hygiene
Plant Sciences	1st	Haley B	11	Zoo Academy	Glycine Max Growth in Relation to the Presence of Disposable Packaging
	2nd	Kyra B	11	Omaha Central High School	Effect of Polyculture Agroecosystems on <i>Raphanus sativus</i> Crop Yield
	3rd	Tiffany S	12	Zoo Academy	The Effect of Water Quality on <i>Raphanus sativus</i>



Metropolitan SCIENCE & ENGINEERING FAIR

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