

Junior Division Exhibitors

Category	Student(s)	Project Title	School	Honors
Animal Sciences	Alisa Harmon	Are Fingerprint Patterns Inherited?	LGMS	2nd Honors
Behavioral and Social Sciences	Kaylee Shacklock	How Does Color Affect Memory?	SMS	3rd Honors
Biochemistry	Ayana McQueen	What are the real colors of the fall leaves we see during fall foliage?	WMS	1st Honors
Biomedical and Health Sciences	Molly Jongebreur and Caroline Valenzuela	So Fresh and So Clean: Which Whitener Removes the Most Stains?	UGMS	1st Honors
Biomedical and Health Sciences	Zane Morris and Jonah Brondo	Hydraulic Lung System	OMS	2nd Honors
Biomedical and Health Sciences	Riley Waddleton and Arianna Bird	What temperature produces the best dark chocolate after the chocolate is tempered?	OMS	2nd Honors
Biomedical and Health Sciences	Olivia Silcox and Alannah Levins	How does the amount of baking powder affect the height of a muffin?	OMS	2nd Honors
Biomedical and Health Sciences	Skai White	Heart Rate - How fast can you go?	DMS	1st Honors
Cellular and Molecular Biology	Melik David	How do hormones affect the function of mitochondria?	ELMS	1st Honors
Chemistry	Shania Robinson and Jazmine Maddox	What Stops Oxidation in Fruit? Oil or Lemon.	SMS	3rd Honors

January 30, 2019

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Chemistry	Kaleigh Brakefield and William O'Quinn	Not So Mello Jello	OMS	2nd Honors
Chemistry	Samantha Mullis	What's With the Soda Pop?	OMS	2nd Honors
Chemistry	Mia McClain	Captivating Crystals	OMS	1st Honors
Chemistry	Maya Monroe	Cheesecake Baking Methods	OMS	1st Honors
Chemistry	Marco Morales	The Speed of Light in Gelatin	DMS	2nd Honors
Chemistry	Nora Ratmeyer, Crystal Chau and Kayla Dang	N2 Ice Cream	DMS	1st Honors
Chemistry	Joshua Barnes	What Effect Does the Amount of Corn Starch Have on the Consistency of Oobleck?	DMS	4th Honors
Chemistry	Kaitlyn Slone	Which fabric will Grape Juice stain?	DMS	2nd Honors
Chemistry	Travis Ho	Stain Fever	DMS	1st Honors
Chemistry	Jasmine Lane	The Power of Produce	WMS	1st Honors

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Chemistry	Xia Richardson-Coates	Oil Absorbing Polymers	WMS	2nd Honors
Chemistry	Amara Onwuka	The Pace of Catalase	LMS	1st Honors
Chemistry	Jaleigh Kilpartick	Brand name batteries vs Generic batteries	LMS	3rd Honors
Chemistry	Willow Bray	Atonishing Apples	WMS	3rd Honors
Chemistry	Maliyah Steed	The "C" in OJ: Comparing Natural and Processed Vitamin C	WMS	3rd Honors
Earth and Environmental Sciences	Addi Nichols, Allison Jones and Lauren Berry	What Pollution Does the Most Harm?	LGMS	3rd Honors
Earth and Environmental Sciences	Eric Nguyen	Can Water Float on Water?	DMS	4th Honors
Earth and Environmental Sciences	Richa Doshi and Vienna Nguyen	Oil Thrills	DMS	3rd Honors
Earth and Environmental Sciences	Aanya Supariwala	The Man Made Disaster	ELMS	2nd Honors
Embedded Systems	Jonathan Dorminy	Amateur Band Text Radio for Emergency Use	SOLA FIDE	1st Honors

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Embedded Systems	Sarah Safrit	Simple Circuits	OMS	4th Honors
Energy: Chemical	A'vandia Fedd	How much energy is in different types of food?	DMS	3rd Honors
Energy: Chemical	Eres David	Cows and Kitchen Scraps: Biogas that will fuel the future	ELMS	1st Honors
Energy: Physical	Jose Padron	How Can a Lemon Be Used as a Battery?	SMS	2nd Honors
Energy: Physical	Sokhna Gueye	Salt and Ice!	SMS	2nd Honors
Energy: Physical	Collin Turner and Abigail Tatum	Thermal or Radiant Impact on Absorption Rates	OMS	2nd Honors
Energy: Physical	Mattison Crump and Amelia Atkins	Which type of blade design on a wind turbine is most energy efficient?	OMS	2nd Honors
Energy: Physical	Caleb Robinson	Energy of the Future	ELMS	1st Honors
Engineering Mechanics	Louis Wappler, Quinn Dockweiler and Camden Keesey	How does the shape of the Fins on a Rocket Effect its Flight?	LMS	1st Honors
Engineering Mechanics	Eric Jones	A Slice of Raspberry Pi	LGMS	2nd Honors

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Engineering Mechanics	Rishi Patel	Oven Gloves or Heat Plates	UGMS	1st Honors
Engineering Mechanics	Ashby Floyd	Mass of a Marble	OMS	4th Honors
Engineering Mechanics	Amari Lewis	How much can a bridge bare?	DMS	1st Honors
Engineering Mechanics	Jamison Glover	Hover Craft - How long will a Hover Craft Hover?	DMS	2nd Honors
Environmental Engineering	Emmanuel Gardner	Bacteria Be Gone	WMS	1st Honors
Environmental Engineering	Mary Rozier	Chemical Analysis of water purified for human consumption	ELMS	1st Honors
Materials Science	Zoha Momin	Which paper towel brand absorbs the most water?	LMS	3rd Honors
Materials Science	Maya Shortt	Which One Stains Faster?	LMS	1st Honors
Materials Science	Janay Wilson	Splish Splash Which Will Last? Which Chlorine is Most Effective in a Pool?	UGMS	1st Honors
Physics and Astronomy	Joanna Lamnek and Madison Mangham	What's Poppin?	LGMS	2nd Honors

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Physics and Astronomy	Heather Anderson, Britney Hammonds and Kayla Wallace	Soap Away	LGMS	3rd Honors
Physics and Astronomy	Anu Olusanya	Which Version of Magnetic Slime Will Have the Strongest Pull?	UGMS	3rd Honors
Physics and Astronomy	Joseph Price	What Type of Fin Will Cause a Model Rocket to Stay in the Air the Longest?	UGMS	3rd Honors
Physics and Astronomy	Jaden Griffin	Enhancing Magnetic Properties	UGMS	3rd Honors
Physics and Astronomy	Redmond Cross and Dylan Fields	How high will model rockets go with weight attached?	OMS	1st Honors
Physics and Astronomy	Gracie Mullis and Alex Navratil	Does the length of an incline affect the speed of a rolling ball?	OMS	2nd Honors
Physics and Astronomy	James McGee	How does the weight of the arrow tip affect the distance of the shot?	OMS	1st Honors
Physics and Astronomy	Aubrie Beard and Malorie Henderson	How do rubber bands produce enough pressure to explode a watermelon?	OMS	2nd Honors
Physics and Astronomy	Bailey Barfield	Chill Out	WMS	2nd Honors
Plant Sciences	Grace Perez, McKinley Shaw and Heather Bos	Plant Labyrinth	LMS	3rd Honors

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Plant Sciences	Madison Foster	How well does a saltwater plant survive in freshwater?	LMS	2nd Honors
Plant Sciences	Heru Kamau	Exploring Plant Growth in Space	ELMS	1st Honors
Plant Sciences	Avera McMillan	Whatever Floats Your Growth: Which Type of Water Has the Greatest Effect on Plant Growth?	UGMS	2nd Honors
Plant Sciences	Kayla Mathis, Josie Valdez, and Anna Floyd	Ready Set Grow! Which Type of Soil is More Effective in the Life of a Cornflower?	UGMS	2nd Honors
Plant Sciences	Brenden Philyaw	Does rubbing alcohol bring out different color pigments in different types of leaves?	OMS	3rd Honors
Plant Sciences	Haylee Rainer	How are food coloring affected by food coloring in their water?	OMS	1st Honors
Robotics & Intelligent Machines	Jordan Nixon	Does Weight Affect A Drone's Battery Life?	DMS	4th Honors