



# The Lion's Roar

Millennium Charter Academy Events Worth Roaring About

January 2018

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## 2018 Science Fair is a Great Success

We'd like to congratulate all our students who participated in the annual MCA school science fair. All fourth through eighth grade students and some high school students participated. Projects offered students an opportunity to learn more about the scientific method, and practice their research, writing, and presentation skills.

In lower school, **Dallas Ashburn's** project, "Which type of ground layers limit erosion the most: sand, gravel, or soil?" **Kaleb Friend's** project, "Which brand of trash bags will hold the most weight before ripping?" and **Daniel Sorrell's** project entitled "Which fabric will keep you the warmest?" were the winning projects. **Ava Thomason's** project, "How does oil pollution affect plant growth?" was chosen for the Headmaster's Choice award. The winners will continue on to the regional fair, held in Charlotte, NC, in March.



Pictured here (left to right) are **Ava Thomason, Dallas Ashburn, and Kaleb Friend**. Not pictured is **Daniel Sorrell**. **Dallas, Kaleb, and Daniel** will continue to the regional fair in Greensboro, NC.

Upper school science fair projects are divided and awarded by category, and winning projects are listed below. Photos continue on the next page.

## Upper School Science Project Winners

Biologic A				Technology & Engineering			
1st	Cheyenne Rogers	Why pay the difference?	6th	1st	Dallin Kump	What's the hottest in computers?	8th
2nd	Isaac Shipley	Utilizing Human Foot Arch Heights	6th	2nd	Avery Hubbard	Color Infusion	7th
3rd	Lexi Edsall	Tooth Enamel Deterioration	6th	3rd	Jozlyn Donaldson	Cushion Comfort	6th
Biologic B				Chemistry			
1st	Sophia Kiser	Putting the "L" in lowering stress	8th	1st	Natalie Cockerham	Slime Time	6th
2nd	Owen Greenstreet	Cool beans	6th	2nd	Calvin DeVore	The effectiveness of ingredients on Skin moisturizers	8th
3rd	Martina Banas	Seeing NOT Believing: Optical Illusions	7th	3rd	Cora Branch	What is the most effective household fingerprint powder?	6th
Earth and Environmental				High School			
1st	Jacob Smith	Surf's Up	7th	1st	Sarah Shepherd & Anna Gibbons	Breaking Ankles	12/10
3rd	Kalyssa Sakowski	Worming Around	7th				

**Martina Banas**, 7<sup>th</sup> grade, won the Headmaster's Choice award with her project entitled "Seeing is Not Believing." Science fair board competition is sponsored by the NC Science and Engineering Fair, and the regional competition will be held at the Triad Math and Science Academy in Greensboro, NC, on February 17.

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Pictured to the left are our 6<sup>th</sup> grade project and paper winners.

Left to right on the back row are **Cheyenne Rogers, Aryan Hira, Isaac Shipley, Daniel Shinault, Anderson Devore**; front, **Owen Greenstreet, Natalie Cockerham, Cora Branch, and David Shinault**

Pictured below are our 7<sup>th</sup> grade winners.

Left to right are **Jozelyn Donaldson, Avery Hubbard, Kylie James, Jacob Smith, Lydia Horton, and Martina Banas.**



Pictured to the far left are our 8<sup>th</sup> grade project and paper winners.

Left to right on the back row are **Eliana Spencer, Jared Brinkley, Sophia Kiser, and Robert Marshall**; center, **Abby Simmons, Cooper Motsinger, Dalin Kump, Calvin Devore**; front, **Ashtyn Cook and Sara Windsor**



At the near left are **Anna Gibbons and Sarah Shepherd**, our high school winners.





## NC Student Academy of Science Research Paper Winners

Biologic A			
1st	Abby Simmons	The Poison in your plastic	8th
2nd	Cheyenne Rogers	Why pay the difference	6th
3rd	Sara Windsor	Effect of tone on snakes	8th
Biologic B			
1st	Martina Banas	Seeing is not believing	7th
2nd	Ashtyn Cook	Liar, Liar	8th
3rd	Eliana Spencer	Are you Qualified?	8th
Physics			
1st	Jared Brinkley	Load Bearing Prisms	8th
2nd	David Shinault	Pendulums	6th
Technology and Engineering			
1st	Robert Marshall	Alert Awareness	8th
Chemistry			
1st	Kylie James	Teeth and Stains	7th
2nd	Lydia Horton	Rise of Cupcakes	7th
3rd	Daniel Shinault	Mummifying Hotdogs	6th
High School			
1st	Sarah Shepherd		12th
	Anna Gibbons	In Bracing Ankles	10th



Research paper competition winners will continue to the regional competition held at the University of NC at Charlotte on February 23.

## MCA Spelling Bee Breaks Records

In the Lower School division **Audrey Hiatt** was the champion and her championship word was paralysis. **Donovan Blake** finished second and **Samantha Flinchum** finished third. The Lower School Bee featured 36 spellers and went 12 rounds before determining a champion. The Upper School Bee featured 10 spellers, including **Audrey Hiatt** since she won the Lower School Bee. The Upper School Bee went to an unprecedented 32 rounds exhausting the entire 375 words provided in the pronouncer's guide. Example words include posthumous, noctograph, commendatory, circuitous, naology, and subnivean. **Benjamin Hiatt** and **Sara Windsor** opted to be named co-champions of the Upper School Bee. **Martina Banas** finished third. All three students will represent MCA at the District Bee on February 6th at Salisbury Academy.



Left: Our lower school winners are **Audrey Hiatt**, 1<sup>st</sup> place, **Donovan Blake**, 2<sup>nd</sup>, and **Samantha Flinchum**, 3<sup>rd</sup>; Right: Our upper school winners are co-champions **Benjamin Hiatt** and **Sara Windsor**, and **Martina Banas**, 3<sup>rd</sup> place.

