



# The Lion's Roar



Millennium Charter Academy Events Worth Roaring About

January 2015

## MCA Students Once Again Do Well in Regional Science Events

Several MCA students competed in the NC Science and Engineering Fair (NCSEF) and NC Student Academy of Science (NCSAS) research paper competition at the end of December, and as in previous years, MCA students did very well. Considering MCA's

Size compared to other school systems within the thirteen county region in which we compete, MCA is statistically high in winning projects and papers.

MCA regional winners in the NC Science and Engineering Fair are:

**Drew Tilley:** (7<sup>th</sup> grade) Honorable mention Chemistry division for his project entitled "Does the Ethanol Content in Gasoline Affect the Run Time of the Engine?"

**Alayna Smith:** (7<sup>th</sup> grade) Honorable mention Earth Environmental division for her project entitled "Taking Green To New Heights," a project to test if a green roof stayed cooler than a conventional roof.

**Cameron Shaw:** (6<sup>th</sup> grade) Third place Physics division for her project entitled "Walking on Water" in which she tested the surface tension of three different liquids at three different temperatures using math to determine the final results of her testing.

**Russell Sapp:** (6<sup>th</sup> grade) First place Physical Science division for his project entitled "Hot Wire: Movement of Heat." This project explored the efficiency of heat conduction through different types of wire.

**Sarah Shepherd:** (9<sup>th</sup> grade) First place Biological B for High School with her project entitled "To Be Or Not To Be 2." This is a second year study encapsulating the affects of monosodium glutamate on blood sugar in young adults.

**Sarah Shepherd and Russell Sapp** will continue to the state round of the NCSEF on March 28, 2015 on the campus of Meredith College in Raleigh.

The NCSAS research paper competition is an event with the mission of promoting and encouraging the study of math and science at the pre-college level.

Congratulations for winning papers go to:

**Drew Tilley:** (7<sup>th</sup> grade) Third place for a research paper regarding his science project listed above.

**Ben Thomason:** (8<sup>th</sup> grade) Third place for his paper entitled "You are Probably Polluting Something Right Now," an investigation about the effects of three types of pollution on aquatic plants,

**Ryan Wagoner:** (8<sup>th</sup> grade) Second place with his project that explored different surfaces and how they changed bounce statistics on balls.

**Jack Bevard:** (7<sup>th</sup> grade) First place for his paper entitled "Sink or Swim," a project that tested common exterior paints to expensive marine paints for sealing wood in a marine environment.

**Sarah Shepherd:** (9<sup>th</sup> grade) First place for her paper about her science fair project described above. All of these students will advance to the state level of completion, held at the NC School of Science and Math in Durham, NC on March 27.



Regional Winners, left to right, **Ben Thomason, Cameron Shaw, Drew Tilley, Alayna Smith, Sarah Shepherd, Ryan Wagoner, Russell Sapp, and Jack Bevard**

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## MCA Mock Trial Team Advances to State Level Competition

Mock Trial is a program of the NC Bar Association Foundation. From their website, "The goals of this program are, first and foremost, to educate students about the basis of our American judicial system and the mechanics of litigation. The program also serves to build bridges of mutual cooperation, respect and support between the community and the legal profession. Through participation in the Mock Trial program students will increase their basic skills such as listening, speaking, writing, reading, and analyzing. All participants are encouraged to keep in mind that the goal of the Mock Trial program is not to win for the sake of winning, but to learn and understand the meaning of good citizenship in a democratic republic through participation in our system of law and justice." MCA students recently competed at the Surry County Courthouse in Dobson and advanced with flying colors through the regionals to make their first appearance at the state level in Charlotte. Coach Mike Drury states, "I am very proud of the effort put forth by everyone on the team. We held our own against some strong competition from schools from across the state. Our team gained valuable experience and we hope to make a return to state next year!"



This year's Mock Trial team: Back, Coach Mike Drury, left to right, **Quinn Cullen, Russell Sapp, Cameron Shaw, Abigail Williams, Leah Childers, Sarah Shepherd, Amy Depetris, Julia Southern, Casey Barnett, Riley Cullen, Henry Richardson, Alyssa Collins, Angel Hawks, Jack Campbell, Abby Spencer, and Oscar Hampton.**

