

As posted by *A Time for Science* at: <http://www.atimeforscience.org/2010/03/30/ncsas-2010-winners/>

<b>North Carolina Student Academy of Science (NCSAS)</b>			
<b>Name</b>	<b>School</b>	<b>Research</b>	<b>Award(s)</b>
Zach Williford	D.H. Conley High School	Automated Mailbox Research Plan	<ul style="list-style-type: none"> <li>• 1st Place - High School Engineering/Technology</li> <li>• Charles Lytle College Scholarship (\$1000)</li> </ul>
Rachel Jenkins	D.H. Conley High School	Newton's Law of Cooling and R-Value: Applying Newton's Law of Cooling to Derive a Non-Intrusive Method of Measuring Insulation (R-Values of Pre-Existing Walls)	<ul style="list-style-type: none"> <li>• 2<sup>nd</sup> Place - High School Engineering/Technology</li> </ul>
Mark Poczontek	D.H. Conley High School	Newton's Law of Cooling and R-Value: Applying Newton's Law of Cooling to Derive a Non-Intrusive Method of Measuring Insulation (R-Values of Pre-Existing Walls)	<ul style="list-style-type: none"> <li>• 2<sup>nd</sup> Place - High School Engineering/Technology</li> </ul>
Madison Schulte	D.H. Conley High School	Silence and Stillness: The Real Distractions	<ul style="list-style-type: none"> <li>• 2<sup>nd</sup> Place - High School Biological Science</li> </ul>
Jessica Richmond	D.H. Conley High School	Silence and Stillness: The Real Distractions	<ul style="list-style-type: none"> <li>• 2<sup>nd</sup> Place - High School Biological Science</li> </ul>
Aakash Gandhi	D.H. Conley High School	A Comparative Analysis of Musical Genres Using Computer Modeling	<ul style="list-style-type: none"> <li>• 2<sup>nd</sup> Place - High School Mathematics/Computer Science</li> </ul>
Erin Dombroski	D.H. Conley High School	Horses Hear the Beat	<ul style="list-style-type: none"> <li>• 3<sup>rd</sup> Place - High School Biological Science</li> </ul>
Christine Hong	J.H. Rose High School	Effect of Ethanol on the Expression and Activity of iNOS in Rat Brainstem Tissue- A Study of the Mechanism for Ethanol-induced Hypotension	<ul style="list-style-type: none"> <li>• 2<sup>nd</sup> Place - High School Biotechnology Advanced</li> </ul>
Coleman Bailey, Jr	Hope Middle School	Can You Force a Feeling?	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> Place - Middle School Behavioral Science</li> </ul>
Elise Karriker	Roseleaf Academy	Believing is Seeing?	<ul style="list-style-type: none"> <li>• 2<sup>nd</sup> Place - Middle School Behavioral Science</li> </ul>
Sam Christensen	Home Schoolers	How Does Runoff Affect Stream Chemistry and Biological Load?	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> Place - Middle School Water Quality Science</li> </ul>
Anne Blythe Davis	Home Schoolers	How Does Night Sky Brightness Affect Anuran Calling?	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> Place - Middle School Biological Science</li> </ul>
Alexa Hartnett	Camden Middle School	The Effect of Salinity on Hydrogen Gas Production	<ul style="list-style-type: none"> <li>• 2<sup>nd</sup> Place - Middle School Chemistry</li> </ul>
Caroline Robinson	Camden Middle School	Viscosity Atrocity: Who Will Survive a Warmer World?	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> Place - Middle School Physical Science</li> </ul>
Emma Gilbert	Camden Middle School	I'm Drinking Salt Water!	<ul style="list-style-type: none"> <li>• 3<sup>rd</sup> Place - Middle School Physical Science</li> </ul>

North Carolina Science and Engineering Fair (NCSEF)			
Name	School	Research	Award(s)
Rachel Jenkins	D.H. Conley High School	Newton's Law of Cooling and R-Value: Applying Newton's Law of Cooling to Derive a Non-Intrusive Method of Measuring Insulation (R-Values of Pre-Existing Walls)	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> Place – Senior Team</li> <li>• US Army - Senior Team</li> <li>• Selected to present project at the 2010 International Science and Engineering Fair in San Jose in May</li> </ul>
Mark Poczontek	D.H. Conley High School	Newton's Law of Cooling and R-Value: Applying Newton's Law of Cooling to Derive a Non-Intrusive Method of Measuring Insulation (R-Values of Pre-Existing Walls)	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> Place – Senior Team</li> <li>• US Army - Senior Team</li> <li>• Selected to present project at the 2010 International Science and Engineering Fair in San Jose in May</li> </ul>
Zach Williford	D.H. Conley High School	Automated Mailbox Research Plan	<ul style="list-style-type: none"> <li>• 3<sup>rd</sup> Place – Senior Technology/Engineering</li> <li>• US Air Force – Senior</li> <li>• National Society of Professional Engineers</li> <li>• Selected to present project at the 2010 International Science and Engineering Fair in San Jose in May</li> </ul>
Erin Danneker	D.H. Conley High School	Which Potato for Fries?	<ul style="list-style-type: none"> <li>• 2<sup>nd</sup> Place US Army - Physical Science</li> </ul>
James Pearce	D.H. Conley High School	The Curve Ball; Raised or Lowered Seams`	<ul style="list-style-type: none"> <li>• US Air Force - Physical Science.</li> <li>• 3<sup>rd</sup> Place - Physical Science.</li> </ul>
Alex Doub	D.H. Conley High School	Can growing Hydroponically produce a taller plant than in soil?	<ul style="list-style-type: none"> <li>• Honorable Mention - Earth/Environmental Science.</li> </ul>
Christine Hong	J.H. Rose High School	Effect of Ethanol on the Expression and Activity of iNOS in Rat Brainstem Tissue- A Study of the Mechanism for Ethanol-induced Hypotension	<ul style="list-style-type: none"> <li>• Society for In-Vitro Biology Award</li> </ul>
Sam Christensen		How Does Runoff Affect Stream Chemistry and Biological Load?	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> Place - Junior Environmental Science</li> <li>• AWWA-WEA - North Carolina Award for Exemplary Water Projects</li> </ul>
Kiera Lyons	Camden Middle School	1 + 1 = Achoo! The Mathematics of Disease Spread	<ul style="list-style-type: none"> <li>• US Air Force - Junior Award</li> </ul>
Jacob Dupree	Camden Middle School		<ul style="list-style-type: none"> <li>• US Navy/Marine- Junior Award</li> </ul>
Garrett Fagundus	Elmhurst Elementary	Force Medieval Style	<ul style="list-style-type: none"> <li>• Exemplary - Elementary</li> </ul>
Zara Mehta	Elmhurst Elementary	Force Medieval Style	<ul style="list-style-type: none"> <li>• Exemplary - Elementary</li> </ul>
Emma Christensen	Home School	The Speed of Light	<ul style="list-style-type: none"> <li>• Exemplary - Elementary</li> </ul>
Elijah Shuford	Wintergreen Intermediate	Disinfectants: Beat the Bacteria!	<ul style="list-style-type: none"> <li>• Honorable Mention - Elementary</li> </ul>