**Class of 2010**

**Bruce Boller**  
Bertie High School  
Bertie County Schools  
*Computer Simulations of Species Extinctions*  
Mentor: Thomas Rossbach,  
Elizabeth City State University

**Loella Escantilla-Lapat**  
Bertie School of Science, Technology, Engineering, and Math  
Bertie County Schools  
*Robotics and Engineering*  
Mentor: Akbar Eslami,  
Elizabeth City State University

**Shelley Casey**  
Eastern Alamance High School  
Alamance County Schools  
*Saving the American Chestnut*  
Mentor: Ron Sederoff, NC State University

**Cinnamon Frame**  
McGee's Crossroads Middle School  
Johnston County Schools  
*Biotechnology in North Carolina Today*  
Mentors: Robin Hyde-DeRuyscher, Biogen Idec

**Travis Chapman**  
Panther Creek High School  
Wake County Schools  
*From Oil to Electric, Investigating Alternative Energy Resources in Transportation*  
Mentor: Pam Carpenter, NC Solar Center,  
NC State University

**Debra Hall**  
Bugg Creative Arts and Science Magnet School  
Wake County Schools  
*Bio-Music: Project O.W.L. (Other Ways of Learning)*  
Mentors: Sarah Carrier, Eric Wiebe,  
NC State University; David Teachout,  
Patricia Gray, UNC-Greensboro

**Karina Colon**  
Glendale-Keny Elementary School  
Johnston County Schools  
*I'm On a Diet and Proud of It: Nutrition through Math and Science*  
Mentors: Carolyn Dunn, Debbie Stroud,  
NC State Cooperative Extension

**Lisa Hibler**  
Athens Drive High School  
Wake County Schools  
*Making Chemistry Relevant to High School Students*  
Mentor: David Ollis, NC State University

**Derek Dennis**  
Rugby Middle School  
Henderson County Schools  
*Radio Astronomy and Interactive Technology*  
Mentors: Michael Castelaz, Christi Whitworth,  
Dave Clavier, PARI; Kirsten Weeks, Cisco Systems

**Rebecca Hite**  
Chapel Hill High School  
Chapel Hill - Carrboro Schools  
*Late Blight and the Irish Potato Famine*  
Mentor: Jean Ristaino, NC State University

**Daniell DiFrancesca**  
Wakefield Middle School  
Wake County Schools  
*Critical Thinking in Science*  
Mentor: Alan Karr, National Institute of Statistical Sciences

**LeRoy Humphries**  
Harnett Central High School  
Harnett County Schools  
*Forest Wildlife Management and Conservation*  
Mentors: Susan Moore, Renee Strnad,  
NC State University; Jennifer Grantham,  
NC Forestry Association;  
Linda Holton, Weyerhaeuser TOSA

**Jeffrey Edwards**  
Surry Early College High School  
Surry County Schools  
*Moving Beyond: Literacy Strategies for the Science Classroom*  
Mentor: Sara Zimmerman,  
Appalachian State University

**Laura Lewis**  
Wake County Public Schools  
*Technology Resources for Children with Special Needs*  
Mentors: Karen Erickson, UNC-Chapel Hill; Patricia Porter, Center for Literacy and Disability Studies

**Jennifer Elmo**  
Sanderson High School  
Wake County Schools  
*An Integrated Approach to Teaching Chemistry & Algebra II*  
Mentor: Lisa Bullard, NC State University

**Harold Mackin**  
Rochester High School  
Thurston County Schools  
State of Washington  
*Applying Genomics and Biotechnology to Tree Improvement*  
Mentors: Nicholas Wheeler, University of Washington; David Neale, University of California at Davis
Sonja McKay
Exploris Middle School
NC Charter Schools
*Sustainable Stewards Through Science Literacy*
Mentor: William Beck, MeadWestvaco

Dail Midgette
Millbrook High School
Wake County Schools
*Understanding Data Mining: Helping Students and Teachers Extract, Organize, and Analyze Large Sets of Data*
Mentors: Yufeng Liu, UNC-Chapel Hill; Helen Zhang, NC State University

Jeff Milbourne
NC School of Science and Mathematics
UNC System
*Problem Based Learning in the Physics Classroom*
Mentors: Gigi Karmous-Edwards, MCNC; Nancy Shaw, Project Lead the Way, Duke University

Anna Miller
East Garner Magnet Middle School
Wake County Schools
*Ecology of the Savanna- Forest Boundaries in Central Brazil*
Mentor: William Hoffmann, NC State University

Miriam Morgan
Southern School of Engineering
Durham County Schools
*Engineering Skills through Problem Based Learning*
Mentors: Nancy Shaw, Project Lead the Way, Duke University; Gigi Karmous-Edwards, MCNC

Nicole Murray
James Kenan School of Engineering
Duplin County Schools
*Understanding Infectious Diseases in Humans and Animals*
Mentor: Matthew Koci, Jackie Hoffman, NC State University

Crystal Patillo
Bugg Creative Arts and Science Magnet School
Wake County Schools
*Bio-Music: H.O.O.T.S. (Hoots of Owl Organisms through Sound)*
Mentors: Sarah Carrier, Eric Wiebe, NC State University; David Teachout, Patricia Gray, UNC-Greensboro

Susan Randolph
Wayne School of Engineering
Wayne County Schools
*Applied Aquatic Ecology*
Mentor: JoAnn Burkholder, NC State University

Celia Rowland
William G. Enloe Magnet HS
Wake County Schools
*Understanding Data Mining*
Mentors: Yufeng Liu, UNC-Chapel Hill; Helen Zhang, NC State University

Jenny Rucker
West Cary Middle School
Wake County Schools
*Pumping and Moving through Fluids at Different Sizes*
Mentors: Michael Minion, Laura Miller, UNC-Chapel Hill

Lori Stroud
Clayton Middle School
Johnston County Schools
*A Day in the Life: Exploring Biomanufacturing Careers*
Mentor: Richard Lawless, BTEC

Amanda Warren
Wayne Early/Middle College High School
Wayne County Schools
*Applied Aquatic Ecology: Life in the Neuse*
Mentor: JoAnn Burkholder, NC State University

Corey White
Ligon Middle School
Wake County Schools
*Space Resource Center for Teachers*
Mentors: Chris Brown, Jobi Cook, NC Space Grant