Class of 2012 Kenan Fellows

Michael Belcher
Hillside New Tech High School
Durham Public Schools
*How Big and Small Animals Swim, Fly, and Pump Fluids*
Mentors: Dr. Michael Minion and Dr. Laura Miller, UNC Chapel Hill
Sponsor: Statistical and Applied Mathematical Sciences Institute (SAMSI)

Carrie Lynn Brewington
Hoke County High School
Hoke County Schools
*DuPont: Fayetteville Works*
Mentor: Paul Chavis, DuPont
Sponsor: National Science Foundation Noyce II Grant

Ronda Bullock
Hillside High School
Durham Public Schools
*Biotech Drug Innovation*
Mentors: Dr. Kimberly Buczynski, Michael McBrierty, Biogen Idec;
Dr. Kathleen Kennedy, NC Biotechnology Center
Sponsor: Biogen Idec Foundation

Heather Earp
West Johnston High School
Johnston County Schools
*Sustainable Forestry: Exploring Biotech Trees for Forest Health and Bioenergy*
Mentors: Susan McCord, Adam Constanza, Institute of Forest Biotechnology;
Dr. Dan Robison, Renee Strnad, NC State University
Sponsor: Institute of Forest Biotechnology

Joey Gaddy
West Montgomery High School
Montgomery County Schools
*Scientific Advancement of Agriculture - Sandhills Research Station*
Mentor: Jeff Chandler, Sandhills Research Station
Sponsor: National Science Foundation Noyce II Grant

Pam Hedgpeth
Scotland High School of Health Sciences
Scotland County Schools
*Biotechology: Agriculture, Bees and Fermentation*
Mentor: Dr. Len Holmes, Biotechnology Business and Training Center, UNC-Pembroke
Sponsor: National Science Foundation Noyce II Grant

Jennifer Jones
Pine Forest High School
Cumberland County Schools
*Microbeam and i3D*
Mentor: Dr. Steven Singletary, Fayetteville State University
Sponsor: National Science Foundation Noyce II Grant

Sarah Kaneko
C.E. Jordan High School
Durham Public Schools
*Bioprocessing and Biomanufacturing*
Mentor: Dr. Allen Cohen, Insect Diet & Rearing Research, NC State University
Sponsor: Biomanufacturing Training and Education Center (BTEC)

Sandre Lane
Carver Middle School
Scotland County Schools
*i3D*
Mentor: Louis McIntyre, Robeson Community College
Sponsor: National Science Foundation Noyce II Grant

Kent Lewis
Durham School of the Arts
*US Department of Energy Fellow*
Sponsor: US Department of Energy, Goodnight Educational Foundation

(Continued on back)
Keenan Locklear
Robeson Early College High School
Robeson County Schools
*Understanding Biofuels*
Mentor: Dr. Siva Mandjiny, UNC-Pembroke
Sponsor: National Science Foundation Noyce II Grant

Sara Morey
Wakefield High School
Wake County Public Schools
*A Systems Biology Approach to Understanding Lignin Production*
Mentors: Dr. Joel Ducoste, Dr. Ron Sederoff,
NC State University
Sponsor: National Science Foundation

Fred Morris
Richmond Senior High School
Richmond County Schools
*i3D*
Mentor: Dr. Randy Henson and Dr. Carl Howald,
Richmond Community College
Sponsor: National Science Foundation Noyce II Grant

Stefanie Phillips
North Moore High School
Moore County Schools
*DNA Explorations with Forensic Science*
Mentor: Dr. Khalid Lodhi,
Fayetteville State University
Sponsor: National Science Foundation Noyce II Grant

Pam Roberts
West Bladen High School
Bladen County Schools
*Simply D’Vine: Using local businesses to create a systemic and integrated approach to STEM education*
Mentor: Alvin Shepherd, D’Vine Foods
Sponsor: National Science Foundation Noyce II Grant

Constance Russell
Massey Hill Classical High School
Cumberland County Schools
*Creating Antimicrobial Agents*
Mentor: Dr. Sherrice Allen,
Fayetteville State University
Sponsor: National Science Foundation Noyce II Grant

Talia Swiney
Ellerbe Middle School
Richmond County Schools
*FirstHealth of the Carolinas*
Mentors: Dr. George Bussey, Dave Dillehunt,
Stuart Voepel, FirstHealth Moore Regional Hospital
Sponsor: National Science Foundation Noyce II Grant

Helen Walker
Harnett Central High School
Harnett County Schools
*Aligning Algebra with i3D Technology*
Mentor: Jenny Washington,
Fayetteville State University
Sponsor: National Science Foundation Noyce II Grant

Liz Woolaard
Raleigh Charter High School
NC Charter School
*Magnetic Nanoparticles and Nanoengineering Outreach Program*
Mentors: Dr. Joe Tracy, Dr. Gail Jones,
NC State University
Sponsors: GlaxoSmithKline, Lockheed Martin