



KENAN FELLOWS PROGRAM
FOR CURRICULUM AND LEADERSHIP DEVELOPMENT

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
Biotechnology: 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 Woolard

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