



**KENAN FELLOWS PROGRAM**  
FOR CURRICULUM AND LEADERSHIP DEVELOPMENT

# The Challenge

Retooling for the New STEM Economy



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# One Solution

## The Kenan Fellows Program



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# **Mission of the Kenan Fellows Program**

**Enhance curriculum relevance for the benefit of all students; engage teachers, business and universities through unique professional collaboration; and promote growth opportunities for teachers and the teaching profession.**



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# Goals of the Kenan Fellows Program

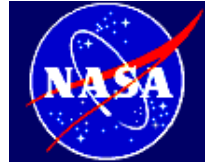
1. Develop teacher leaders through identifying, developing and retaining the best and the brightest teachers in classrooms across North Carolina.
2. Advance effective teaching that prepares students for success in the new knowledge economy.
3. Foster collaboration among teachers, researchers and industry to make STEM education relevant.
4. Design innovative curriculum across North Carolina to enhance teaching and learning.



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# NASA Flight Fellowships



Collaborative project designed to advance teaching

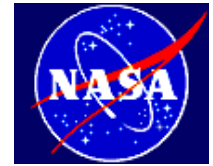
Twenty expert teachers ,selected over two years

Build a sustainable coalition of high school teachers,  
research scientists and industry leaders in North  
Carolina

Drive STEM instruction and outcomes for students.

Offer hands-on, locally relevant opportunities to build  
aerospace science and aeronautics into instruction  
that is engaging and effective.

# Projects

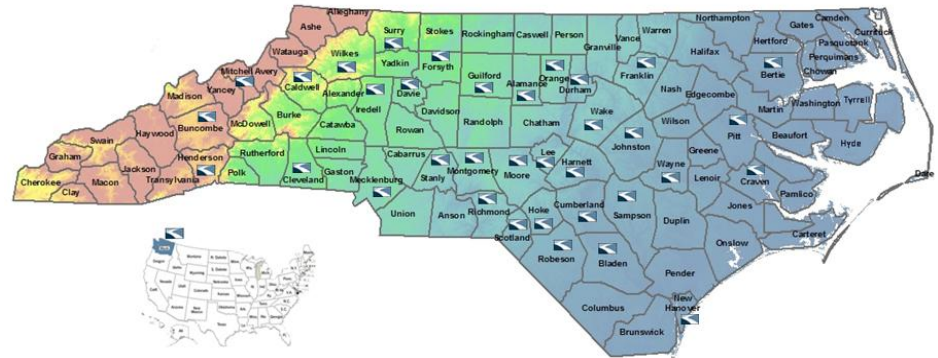


**Aerospace Technology for STEM Education**  
Wilkes Community College  
Russell Sparks, Wilkes County Schools

**Scientific Principles of Engine Assembly**  
GE Aviation, Durham  
Dr. Jeffrey LaCosse, Durham Public Schools

**Aviation Safety**  
Center for Aviation Safety, NC A & T State University  
Carol Taylor, Winston-Salem /Forsyth County schools

**Building a Workforce in Aerospace and Aviation**  
Guilford Technical Community College  
Danielle Flores, Guilford County Schools  
Allison George, Forsyth County Schools



**Airport Engineering**  
RDU International Airport Authority  
Jill Oliver, Wake County Public Schools

**Aviation & Aerospace Careers: Airplane Manufacturing**  
Spirit AeroSystems, Inc.,  
Jennifer Deschoff, Wake County Public Schools.

**STEM Resources Library for Formal & Informal Education**  
Morehead Planetarium and Science Center  
Tara Blalock, Johnston County Schools

**Solar Energy for Space Travel**  
Duke University  
Lauren Beeson, Durham Public Schools

NC STATE UNIVERSITY

Boosting Industry Competitiveness  
Accelerating Workforce Potential  
Launching Innovative Research



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**NC STATE UNIVERSITY**