



KENAN FELLOWS PROGRAM
FOR CURRICULUM AND LEADERSHIP DEVELOPMENT

About the Program

The Kenan Fellows Program for Curriculum and Leadership Development offers competitive fellowships for K-12 public school teachers from across disciplines. Its objective is to keep exceptional teachers in the classroom by providing authentic opportunities for professional advancement and to give them the knowledge and skills to lead change in their schools, districts and communities.

The research-based program provides sustained professional development in curriculum design, inquiry-based instruction, leadership and communication in a rigorous two week residential summer program. The centerpiece of the program is a 5-week research externship in an academic or industry laboratory where teachers engage in hands-on collaboration with a research mentor and a culminating mid-year institute. Embedded in an ongoing project, teachers gain content knowledge, learn about the structures and processes that characterize research endeavors, practice new technological skills, and become aware of new developments in fields related to what they teach.

Each Fellow creates, pilots and revises curriculum materials that translate the 'field' experience into instruction that is relevant and engaging for students. Fellows follow up by presenting their work at a professional conference. They are supported in long-term efforts to design and implement plans for sharing their expertise with other educators through workshops, professional conferences and virtually via webinars and online courses.

The Kenan Fellows Program is designed to scale positive educational impact by:

Leveraging Partnership Power

The Kenan Fellows Program taps a wealth of professional expertise in North Carolina's university and private sector research facilities. The program enriches teachers' knowledge and promotes innovation and creativity by supporting collaboration between K-12 public school teachers and professionals in rapidly developing areas of science, technology, engineering and math. Teachers selected as Fellows engage in partnerships with distinguished scientists to learn about important new developments and to gain an understanding of the significance of current research and scientific practice for students.

Energizing School Curriculum

Each Mentor/Fellow pair works to translate the research experience into relevant lessons for use in classrooms. Interaction with practitioners of state-of-the-art science, and professional

development in the area of curriculum design helps Kenan Fellows create innovative curricular tools and resources aligned with the North Carolina Standard Course of Study. In Summer Institutes focused on instructional leadership, Fellows build advanced skills in collegial environments that allow for sharing of knowledge and encourage them to apply their experiences in the context of their own classrooms. The 21st Century workplace challenges students to be problem solvers, team players and to think systemically. Relevant and engaging lessons designed by Fellows reflect those needs by providing rich, new opportunities for hands-on, inquiry-based study.

Promoting Teacher Leadership

The Kenan Fellows Program builds strong leadership skills in outstanding teachers eager to develop their understanding of the real “enterprise” of scientific research and translate their new knowledge into improved teaching and learning in their classrooms. Fellows work to develop strong communication and advocacy skills. They engage regularly in dialog with leaders and policy-makers whose work impacts schools and classrooms. They learn how to maximize the effectiveness of the diverse talents in their school communities. Over time, the Kenan Fellows Program seeks to build a network of highly skilled teacher leaders committed to improving the quality of math and science education in classrooms across North Carolina.

###

The Kenan Fellows Program is an initiative of the Kenan Institute for Engineering, Technology & Science, and is generously supported by funding from business, government, foundations, research grants, and individual partners.

www.kenanfellows.org