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**GENERATION NEXT: KNOWLES SCIENCE TEACHING
FOUNDATION FELLOWS REDEFINE THE ART OF
TEACHING**

**KSTF Teachers Usher in New Decade by Embracing New
Technologies and Exploring Beyond Traditional Classroom
Boundaries**

Moorestown, NJ, January 6, 2010 — The Knowles Science Teaching Foundation (KSTF) Fellows, who teach science and mathematics in high schools across 31 states and are impacting 14,000 students in the 2009-2010 academic year alone, are redefining teaching by bringing a new level of commitment and enthusiasm to their profession. The KSTF Fellows are inspiring their students through a powerful combination of mastery of content knowledge; new technologies and innovative curriculum; and learning projects that extend beyond the classroom to the farthest corners of the world.

“The KSTF Fellows are highly accomplished teachers who combine the best academic training with in-depth knowledge of science and mathematics, extensive multi-year professional development, and strong leadership skills,” said Dr. Angelo Collins, KSTF’s Executive Director. “Their work is testament to the fact that becoming a masterful teacher is a challenge worthy of our nation’s best and brightest.”

Among KSTF teacher-leaders is **2006 KSTF Teaching Fellow Nicole Pack**, a mathematics teacher at **San Diego’s** project-based **High Tech High International**. Together with her students Ms. Pack formed “High Tech High for Africa,” a club to collect laptops and raise funds to support education in the war-torn African nation of Uganda. Last summer Ms. Pack traveled to Uganda with dozens of computers to help set up a sister school and a technology resource center in that country.

KSTF teachers who go beyond the classroom to challenge their students include **2008 KSTF Teaching Fellow Scott Murphy**, a physics teacher at **Philadelphia’s Mastery Charter School**. A former Science Olympian, Mr. Murphy created a Science Olympiad program from scratch during his first year of teaching at the school. Mastery’s inaugural Science Olympiad team will compete in their first competition in March 2010.

Among KSTF teachers bringing new technologies into the classroom are **2008 KSTF Teaching Fellow Amol Patel** and **2007 Teaching Fellow Andy McNeice**. A biology

teacher at **Heritage High School in Leesburg, Virginia**, Mr. Patel is leading the technology charge in his state by advocating the use of podcasting in the classroom. He is developing a website to give teachers the tools they need to make podcasting an easy and productive learning resource and has recently presented a case study on the subject to the Virginia Association of Science Teachers.

Mr. McNeice, a mathematics teacher at **Dreher High School, in Columbia, South Carolina**, has paved the way for his school to use SMARTBOARDS and a new parent communication system. He has led presentations on these technologies for his school's faculty.

These teachers' accomplishments attest to the success of KSTF's approach to teacher preparation. KSTF Teaching Fellowships, renewable for up to five years and valued at up to \$150,000, are designed to meet the needs of beginning teachers during the critical first five years of their career. Fellowship benefits encompass comprehensive financial support including tuition assistance, monthly stipends, and teaching materials and leadership grants; extensive summer and academic year professional development; and regular meetings and online discussions that provide each Fellow with a strong support network. KSTF awarded its first four Teaching Fellowships in 2002. Today there are 136 KSTF Teaching Fellows and alumni.

The list of KSTF alumni teaching beyond the ordinary includes:

- **Casey O'Hara**, physics teacher at **Carlmont High School in Belmont, California**, who brought polar science to students directly from the South Pole while taking part in IceCube, the biggest research project ever attempted in Antarctica
- **Zach Ronneberg**, physics teacher at **Da Vinci High School in Davis, California**, whose students explore the physics of sound by building and performing on their own musical instruments
- **Anne Watson**, physics teacher at **Montpelier High School in Montpelier, Vermont**, who works with her students to develop physics-based environmental and sustainability solutions for their community
- Jennifer Stauffer, physics teacher the **Hopkins School in New Haven, Connecticut**, created and coached her school's first ever Science Olympiad team that won first place at the state level and numerous medals at the 2009 national competition.

"We believe it takes deep training to prepare great teachers," said Dr. Collins. "KSTF is committed to working with each of our Fellows for the long term, ensuring that they in turn remain in the profession to become outstanding educators and leaders in their fields," said Dr. Collins.

About KSTF

The Knowles Science Teaching Foundation (KSTF) was established in 1999 by inventor and entrepreneur C. Harry Knowles and his wife Janet to strengthen the quality of science and mathematics teaching in United States high schools. The Foundation's programs include the KSTF Teaching Fellowships and the KSTF Research Fellowships for doctoral level researchers. For more information, visit www.kstf.org.