



Mark Schroll

Program Coordinator

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Mark Schroll joined the Kern Family Foundation in August, 2007. He serves as Program Coordinator for the engineering and innovation programs, including Project Lead the Way (PLTW). As part of the original staff at The Science Academy of South Texas, he co-authored and implemented a unique four-year pre-engineering curriculum and later worked to implement the PLTW program at his school, teaching PLTW courses and training teachers. Drawing on his experience with pre-engineering curriculum and instruction, he collaborates with grants management staff to facilitate the application review and grant monitoring processes. He also works closely with grantees to develop networks of strong partnerships and sustainability plans.

Education

Bachelor of Science, Saint Cloud State University, Saint Cloud, MN

Master of Arts, Education and Human Development, special emphasis on Educational Technology Leadership, Washington, D.C.

Professional Experience

Technology Teacher, Science Academy of South Texas (1989-2007)

Project Lead The Way Master Teacher for Digital Electronics and Engineering Design and Development (2004-2007)

Affiliations

Committee Member, “Committee on K-12 Engineering Education”, National Academy of Engineering, Washington, D.C.

Publications

2002 Pre-Engineering at the High School Level; A Teacher’s Perspective, 89th Mississippi Valley Technology Teacher Education Conference

1999 “Engineering Design and Development” Curriculum Guide, Co-Author, Senior Level Course of The Project Lead The Way curriculum, by invitation of Richard Blais, Executive Director and Kenneth Ford, Director of Curriculum & Training, The extension of this project leads to a twelve-day teacher training session at the Rochester Institute of Technology focused around the activities associated with the curriculum guide.

1999 “Technology Education Instructional Support”, Author of four activities in the field of

Electronics, by invitation of Dr. John Hansen, University of Houston and Richard Grimsley, Director of Technology Education for the state of Texas, Published by The Texas Education Agency, Austin Texas

- 1999 “Electricity/Electronic Systems Curriculum Guide” Published by South Texas I.S.D.
- 1992 “Technology Systems, Laboratory Activity Guide” Co-author, Published by UT Austin, Educational Resources Division
- 1992 “Communication Systems Curriculum Guide”, Published by South Texas I.S.D.
- 1992 “Energy Systems Curriculum Guide”, Published by South Texas I.S.D.
- 1991 “Technology Systems Curriculum Guide”, Published by South Texas I.S.D.