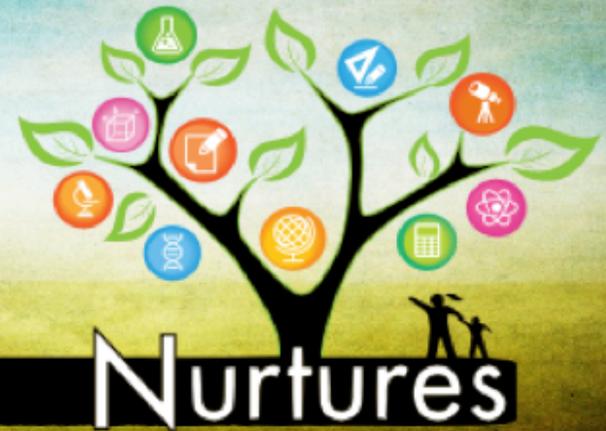


## Networking Urban Resources with Teachers and University to enRich Early Childhood Science



### **Charlene M. Czerniak** **Distinguished University Professor, Science Education**



Charlene M. Czerniak is a professor at The University of Toledo in the department of Curriculum and Instruction. She received her Ph.D. in science education from The Ohio State University. A former elementary teacher in Bowling Green, OH, she teaches classes in grant writing, elementary science education, and science teacher leadership. Professor Czerniak has authored and co-authored over 50 articles. Her publications have appeared in the *Journal of Science Teacher Education*, *Journal of Research in Science Teaching*, *School Science and Mathematics*, *Science Scope*, and *Science and Children*. Professor Czerniak is co-author of a textbook published by Lawrence Erlbaum and Associates on project based science teaching. She also has five chapters in books and illustrated 12 children's science education books. Czerniak authored a chapter entitled *Interdisciplinary Science Teaching* in the *Handbook of Research on Science Education*, published by Lawrence Erlbaum and Associates. Professor Czerniak has been an author and director of numerous grant funded projects in excess of \$30 million dollars that targeted professional development of science teachers. She is the director of a \$6 million dollar grant from the United States Department of Education and a \$1 million dollar grant with the National Science Foundation, which focus on recruiting, better preparing, and retaining science

and mathematics teachers for urban schools, and she is the author and co-PI on a \$5 million dollar National Science Foundation Math/Science Partnership grant to create teacher leaders focused on alternative energy and the economy and a \$10 million dollar National Science Foundation Math/Science Partnership grant focusing on early childhood science. She has made frequent presentations at national and regional conferences that focus on her research interests on teachers' beliefs about teaching science, professional development for elementary and middle grades teachers, science education reform, and school improvement. She is an active member in the Association for Science Teacher Education (ASTE), the National Association of Research in Science Teaching (NARST), the School Science and Mathematics Association (SSMA), and the National Science Teachers Association (NSTA) and reviews manuscripts for the journals associated with these organizations. For five years, she served as editor of the *Journal of Science Teacher Education*, the professional journal of the Association for Science Teacher Education. She has served on numerous committees for AETS, NARST, SSMA, and NSTA. Charlene Czerniak was the President of the School Science and Mathematics Association for two years, and she served as the President of the National Association for Research in Science Teaching (NARST) from 2008-2009. She received the 2008 Distinguished Alumni Award for Service from The University of Toledo Judith Herb College of Education and the 2008 Research Award from the Judith Herb College of Education. In 2010, she received the George Mallinson Distinguished Service Award from the School Science and Mathematics Association (SSMA), which is the highest award given by SSMA.