

State PT3 Grant Proposal Abstract and UMCP COE Sub-Grant Abstract

Abstract of 2003 PT3 Grant Proposal: The mission of Maryland's PT³ Grant is to energize teacher education programs to prepare preservice teachers to integrate the use of student and school data and technology in the instructional process. The desired outcomes emphasize improved student achievement in Maryland schools to vigorously meet the requirements of the *No Child Left Behind* (NCLB) Act. This project will create a new focus area in the Maryland Teacher Technology Standards (MTTS), developed by the 1999 PT3 Catalyst Grant Technology Consortium. This project, centering on the use of data to support both schoolwide and individual instructional decisions, has three major goals: **(1)** To prepare preservice teachers to use technology to interpret and analyze student and school data to develop data-driven instructional decisions; **(2)** to prepare preservice teachers to design, deliver and assess learning experiences that integrate technology, are data-driven, and are designed to improve student achievement; and **(3)** to implement, evaluate and disseminate technology-based models used in teacher preparation programs to assess preservice teachers and to improve programs.

Collaboratively, the PT3 Technology Consortium and the Maryland Professional Development School (PDS) Network will develop a statewide online resource center, the **MTTS – Online**, for preservice teachers and teacher educators. Performance tasks and exemplars focusing on integrating technology and using student data will be developed for the **MTTS - Online**. Additionally, IHEs will develop technology-based assessment systems. The MSDE will revise state approval/national accreditation processes to include a focus on preservice teachers' abilities to integrate technology and use of school and student data in instruction. The Consortium includes institutions of higher education (IHEs), local education agencies (LEAs), the Maryland Higher Education Commission (MHEC), the Maryland Business Roundtable (MBRT), and the Maryland State Department of Education (MSDE). More information on the PT3 Technology Consortium is available at: <http://www.smcm.edu/msde-pt3>.

UTILIZING TECHNOLOGY TO ENHANCE EARLY CHILDHOOD TEACHER QUALITY AND STUDENT ACHIEVEMENT

A PT3 Proposal Submitted to the Maryland State Department of Education

Proposed Partners: Early Childhood Education Program, College of Education,
University of Maryland--College Park, Early Childhood Professional
Development Schools, Maryland State Department of Education

Need for the Project:

Drawing on many years of research showing the crucial importance of quality teaching in maximizing student achievement, the No Child Left Behind Act (2002) mandates that there be a highly qualified teacher in every classroom. Schools must also show Adequate Yearly Progress (AYP) in the achievement of their students, who are not to be blamed for their failure to learn. Likewise, students are expected to take full responsibility for their own progress.

In 2002 the Quality Teacher Work Group was formed by the Maryland State Department of Education (MSDE) to recommend how the mandates of the No Child Left Behind Act can be implemented. One of the recommendations made by the Work Group in its 2003 report was the formation of partnerships between K-12 schools and higher education to develop strategies for enhancing teacher quality and student achievement.

Project Overview:

- The project proposed here will engage Interns and Mentor teachers in the Early Childhood PDS in utilizing technology to enhance teacher quality and achievement--particularly of underrepresented students.
- Technology tools and resources will be used to: 1) access and analyze student achievement data relative to state content/technology standards; 2) plan and deliver technology-enhanced lessons based on data analysis and research on improving student learning; and 3) determine the outcomes of the technology-enriched lessons and make revisions based on data collected. These activities will assist Interns in meeting Maryland Teacher Technology Standards I, IV, V and VII, while promoting the achievement of participating children.