

Western Maine Mathematics and Science Collaboration (WMMSC)

Abstract

Western Maine Mathematics and Science Collaboration (WMMSC) Phase 2 continues three partnerships. One partnership is among ten middle and high schools that are members of the Western Maine Education Collaboration (WMEC). Teachers and administrators from these schools are learning about mathematics Response to Intervention (RtI). Phase 2 will bring these teachers and administrators together in a multi-level Professional Learning Community (PLC) to gain a deeper understanding of mathematics RtI.

The second partnership is among RSU 10 high schools, middle schools and the Region Nine School of Applied Technology. During 2011-2012, RSU 10 middle school science teachers and Region Nine staff and students will collaborate to develop working models of physics concepts. This project will be expanded in the summer of 2012 when RSU 10 middle and high school math, science, and special education teachers will attend a summer academy with Central Maine Community College Precision Technology Department and Region Nine staff. Content learning will include physics, mathematics, inquiry, and the engineering design process. Follow up sessions will include unit design that incorporates Common Core State Standards in a TPCK model.

In a third partnership Phase 2 will continue WMEC's effort to "grow our own math specialists." In the summer of 2012 WMMSC will include a K-5 Summer Math Academy for elementary teacher leaders. Teacher leaders will focus on both math content and instruction and will apply their learning with students in a summer lab. WMEC will use an Action Research model to investigate best practices.