

Keene State College

Science, Inquiring Minds Wants to Know

Aug 19 2009 - June 30 2010

Our proposed partnership will create an immersive professional development experience for science educators spanning grades 1-16 to fully examine and engage with this curriculum. By including collegiate faculty in this work, our hope is to create an environment where participants and facilitators can discuss content mastery and skills development across the K-16 educational experience. Our primary project focus is to increase teachers content knowledge by applying the principles presented in the Science Curriculum Topic Study (CTS), Job Embedded Professional Development, and Targeted Topics of Concern or Need. Our proposed immersive institute is structured to support our teachers in gaining enthusiasm for teaching hard sciences by creating collaborative colleague cohorts, by enhancing content knowledge, by engaging participants in general session topics that immerse them in science inquiry, by exposing participants to emerging research in the field of science education, and by modeling and engaging participants in best practice instruction.

Overview of Grant Objectives:

- Increase teacher confidence in teaching science
- Increase teacher content-knowledge
- Increase repertoire of instructional best practices/developmentally-appropriate strategies
- Increase opportunities for collaboration and professional dialogue
- Increase vertical articulation of science 1-12+
- Increase teacher leadership in SAU 29, 6, and Winchester, NH