

University of NH - Manchester
July 14, 2010 – June 30, 2011

Leaders in Mathematics Education – Numbers and Operations

Project Abstract:

The goals and objectives of LIME: Numbers & Operations are to prepare future leaders in New Hampshire mathematics education and build a teacher network through professional development. While increasing their content knowledge about mathematics, the participants will learn about professional mathematics organizations that can help them to become better mathematics teacher leaders and colleagues. The participants will increase their knowledge about numbers and operations and the NH Frameworks. This is the third and final year of this project and will include both old and new cohorts of teacher participants. Some of the teachers from the first and second years, in addition to new teachers, will be involved in this final LIME project titled Numbers and Operations.

UNH will conduct a series of eight mandatory classes for approximately 25 teachers of both regular and special education in grades K-6 throughout the summer and academic year. The classes will be geared toward inquiry-based methods of gathering and interpreting life science data using number lines, ratios, proportions and estimations, problem solving, reasoning and proof, communications, connections and representations, and using the NH Numbers and Operations GLEs and NH Life Science GLEs through the eight mandatory classes. UNH will team project participants up for one day with Amoskeag Fishways to experience how they can meet requirements for both NH Numbers and Operations GLEs and NH Life Science GLEs through fun, hands-on science lessons. UNH will use the textbook Navigating through Number and Operations in Prekindergarten-Grade2 (with CD-Rom) for teachers in grades K-2. Teachers in grades 3-6 will use the textbook Navigating through Number and Operations in Grades 3-5 (with CD-Rom).

UNH will give graduate credit from the UNH Education Department to all participants who complete the eight class course with a grade average of B or better. There will be a free information conference on January 08, 2011, from 9am – 2pm at the University of New Hampshire Manchester. This conference is mandatory for the teachers participating in the program.