

1014-D1-170

George L. Ashline* (gashline@smcvt.edu), Department of Mathematics, 1 Winooski Park, St. Michael's College, Winooski, VT 05404. *Experiences with an In-Service Professional Development Program: The Vermont Mathematics Partnership and its Impact on School Systems in Vermont*. Preliminary report.

As one of the national mathematics and science partnerships, the Vermont Mathematics Partnership (VMP) is a five year initiative intended to significantly enhance the teaching and learning of mathematics in Vermont schools. Expanding upon the scope and depth of the Vermont Mathematics Initiative, a comprehensive, 3-year graduate professional development program for Vermont K-6 educators, the VMP is designed to improve mathematics instruction throughout Vermont, strengthen the systems that prepare and support teachers and school leaders, and contribute to research and resources available to educators.

In this presentation, I will describe my experiences with this in-service professional development program at one of Vermont's largest elementary schools and detail the collaborative efforts of mathematicians, educational leaders, and preK-12 teachers in this partnership over the past few years. Also, I will suggest how mathematicians may begin to build relationships with school systems and teacher development projects, and overview other VMP initiatives across the state. (Received August 08, 2005)