

1056-BE-1719 **Kathryn T Ernie*** (kathryn.t.ernie@uwrf.edu), Department of Mathematics, 207 NH,
University of Wisconsin - River Falls, 410 South 3rd Street, River Falls, WI 54022. *SoTL in the
Mathematics Content Preparation of Teachers: Infusing K-12 Exemplars in the Undergraduate
Mathematics Curriculum.*

Mathematics faculty at the University of Wisconsin-River Falls have received five grants in support of SoTL projects infusing K-12 exemplars into mathematics content courses. These projects were supported by a grant of the University of Wisconsin System PK-16 Initiative on Teacher Quality. Over the past three semesters approximately 150 undergraduates in geometry, statistics, history of mathematics, and content for future elementary teachers have participated in these projects along with five K-12 consultant teachers. The projects are diverse and range from a focus on reasoning and proof, modeling, and the use of interactive materials in a laboratory setting. This presentation will review these efforts, lessons learned, and the impact on the curriculum. (Received September 22, 2009)