

1014-H1-1199 **Rapti Manohara de Silva*** (rdesilva@csuchico.edu), Department of Mathematics & Statistics, CSU Chico, Zip 525, Chico, CA 95929-0525. *Returned Assignments: A Tool for Fostering Mathematical Communication and Connections*. Preliminary report.

Students' assignments usually get graded and returned, with perhaps the instructor discussing a couple of the problems in class, or posting solutions to all of them. Students may then review an assignment prior to taking a test. Thus as teachers, we often foster a view of assignments as formative or summative assessment. In this presentation, I will discuss how I reuse returned Problems of the Week (POWs) as an opportunity to have students communicate specific aspects of their solution to their peers, thus fostering a student's ability to present mathematical thinking. I will also discuss how I select POWs that offer multiple solution paths in order to encourage students make connections among different areas in mathematics by seeing such solutions and explicitly discussing the nature of the connections. (Received September 27, 2005)