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Anne L Porter* (alp@uow.edu.au), University of Wollongong, Wollongong, NSW 2522, Australia. *The Grand Scheme for Supporting Learning in Mathematics Rich Disciplines.*

This talk focuses on three aspects of an Australian Learning and Teaching Council funded project Building Leadership Capacity in the Development and Sharing of Mathematics Learning Resources, Across Disciplines, Across Universities. The primary aim of this project is to develop leadership capacity, which in the simplest sense is to engage others in the sharing of predominantly video-based resources. The resources were to cover 100 level tertiary mathematics, statistics and bridging programs and thereby higher levels of university subjects in the disciplines that used 100 level mathematics and statistics. The sharing of technical expertise in relation to creation of resources has been one of the successes of this project, as different genres of video have been developed and trialed. This will be the first focus of my talk. The creation of resources has led to questions as to the best ways to combine resources and hence my second focus on learning design for the effective delivery of mathematics based subjects. With several trials of new learning designs, incorporating different assessment strategies the third focus is on developing strategies to get students to communicate what they know. (Received June 15, 2010)