1077-L5-1058 **R W DeGray*** (rdegray@sjc.edu), Department of Mathematical Sciences, Saint Joseph College, West Hartford, CT 06117-2791. *Complex Systems and K-16 Curricula.*

The study of complex systems, a paradigm in the thinking about some of the intractable issues that we as individuals and societies are facing, and the mathematics associated with complex systems is currently sparse in the K-16 curricula. Quantitative literacy and decision making skills can be taught within the structure of courses or lesson plans about complex systems. An open source on-line interactive syllabus for an undergraduate level complex systems course will be offered as a starting point for collaborating on answers to the open question of the necessary mathematics and for building curricula suitable for K-16 education. We can collaborate, via the New England Complex Systems Institute (NECSI) Wiki, and tie together the teaching and learning materials from resources such as the COMplexity DIGest, TEDTalks, Khan Academy, The Futures Channel and others. (Received September 15, 2011)