in educational research–particularly research aimed at ensuring effective use of new technology–is inadequate.   This $32 million program would support research and development initiatives that advance state-of-the-art educational technology applications. The goal of the program is to advance our fundamental understanding of how technology can be used to improve teaching and learning as well as to produce hardware and software prototypes. Awardees will conduct research and development that combine subject matter expertise, insights from the learning sciences - e.g., cognitive science,

niton.