

# **How Computer Tools/Systems Support Cognition: An Examination of Theoretical Foundations and Design Strategies**

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This poster reviews how computer tools/systems support cognition by examining the cognitive benefits of selected computer tools/systems. Earlier research has investigated this area, and the common focus has been on the interactive process between student and cognitive tools. My poster builds on this conceptual underpinning, but I go on to analyze tools/systems from cognitive perspectives. I classify tools/systems by the cognitive theories embedded in them, e.g., distributed cognition, situated cognition, activity theory and constructivism. This poster displays theories, exemplary tools, research perspectives and design strategies associated with distributed cognition and situated cognition.