Empowering Educators with Intelligent Web-based Productivity Tools

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Abstract: With the advent of the Internet, educators now have access over the web to the first artificial intelligence productivity toolsites. This presentation will demonstrate a unique online lesson planning toolsite and a research toolsite where educators actually create documents in the website. Following a process guide, the user applies a natural language retrieval algorithm to locate educational resources and to align lesson plans to district, state, and national standards. The research toolsite educators retrieve educational literature using this same natural language query system. The benefits of this approach include: 24-hour access to user documents from any Internet computer; intelligent search and expert system features; no software installation requirement; and instant access to new features and data, such as instructional resources, new lesson plans, revised standards, and current research documents. Future application include assessment systems, direct instructional systems, and comprehensive school management systems delivered totally over the Internet with web toolsites.