Integrating Technology and Hands-on Activities in the Middle School Science Classroom

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This poster session will concentrate on the incorporation of a combination of technology instruction and hands-on experiments within the middle school science classroom. It will demonstrate how to incorporate technology and hands-on experimentation into the following subject concentrations: calculations, simulations, data collection, writing, information access, networking, and presentations. We will examine the use of spreadsheets, databases, critical thinking and brainstorming software, presentations, Internet use, and ideas for using hardware such as laserdisc players, digital cameras, scanners, and TV/VCR.

This session will provide concrete research-based information to bring back to their school district in support of this media. It will also provide the teacher with real-world applications for the new technology standards.

The goal of this session is to provide some direction when making technology choices. We will concentrate on how to incorporate the various forms of technology into the classroom in a way that will be meaningful and worthwhile.