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**The Scientific Method - Critical and Creative Thinking**

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The “scientific method” is not just for scientists! Combined with critical thinking, the scientific method can enable students to distinguish credible sources of information from nonsense and become intelligent consumers of information. Professors John Cotton and Randall Scalise illustrate these principles using a series of examples and demonstrations that is enlightening, educational, and entertaining. This lecture/demonstration features highlights from their course (whose unofficial title is “debunking pseudoscience” ) which enables students to detect pseudoscience in its many guises: paranormal phenomena, free-energy devices, alternative medicine, and many others.