

## Santa Fe Science Café for Young Thinkers

### “What is 'Clean Coal' and Why do We Need it?”



**Graydon Anderson**

**Los Alamos National Laboratory**

**Thursday, November 17  
6:00-7:30 PM**

**Georgia O’Keeffe Museum  
Education Annex  
123 Grant Avenue, Santa Fe**

Clean, affordable energy and climate change are two of the biggest challenges facing humanity in this century. Coal produces much of the world's electricity (52% in the U.S.), but this form of energy, though cheap, is highly polluting (carbon dioxide, mercury, sulfur, etc.) Is 'clean' burning coal technically feasible? Come and learn the chemistry of how 'dirty' coal might be converted to clean-burning hydrogen gas and the carbon dioxide buried underground.

**Admission is Free.** Youth (ages 13-19) seating a priority. Light refreshments will be served.

Graydon received his Ph.D. in physical chemistry from Cornell University in 1975, and has worked at the Los Alamos National Laboratory ever since. Besides studying clean coal technologies, he loves hiking, photography and making sophisticated physics and chemistry experiments in his garage.

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