

Santa Fe Science Café for Young Thinkers

“Why Are Cyberattacks So Common?”



**Stephanie Forrest
University of New Mexico and
Santa Fe Institute**

**Wednesday, April 22
6:00-7:30 PM**

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

Bad behavior and cheating are common in many systems. Today we see many cyber security problems on-line, ranging from data breaches to hacked email accounts to cyber espionage. But we also see viruses, parasites, and bacteria in biology; bullies in social groups; and rogue nations in the international community. Studying the general principles that complex systems use to manage such threats provides ideas for tackling the specific problem of cyber security. We will discuss current cyber security challenges, describe why some common security advice is irrational, and describe how ideas from biology can help us design stronger cyber defenses.

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

Stephanie was educated at St. John's College and the University of Michigan. She is presently Regents Professor of Computer Science at UNM and on the faculty of the Santa Fe Institute. Her research focuses on the intersection of biology and computation.

Sponsors: Santa Fe Alliance for Science; Santa Fe Public Schools; Georgia O’Keeffe Museum; Santa Fe Institute. Call 603-7468 for more information.