

Draft of Saturday night's electives 2012

1. **Circuit Fashionwear** Use technology to create an object to wear. Use a small battery, led lights, and silver conductive thread to hand sew a lighted design into anything you desire. **Patty Meyer, and Mary Sagartz**
Supercomputing Challenge and Project GUTS.
2. **Cyber Security Game - Computer Lab** Swat the viruses and chase away the cyber villains. Defend a virtual town, including its banks, restaurants, and emergency services, from possible cyber attacks. **John Donahue, CaaNES, Computational Analysis and Network Enterprise Systems**
3. **Etscorn Observatory** A unique star party, observing at 10,600 ft
4. **Fractals – Computer Lab** Come to a hands-on workshop to learn the software packages**Fractal Grower and Xaos. See photos of fractals in nature, applications of fractals and the relationship between fractals and chaos theory. **Joel Castellanos, UNM CS Department**
5. **Game Room** Billiards, Foosball, air hockey, etc.
6. **GitHub** Perfect Format to share code with teammates and mentors. Online project hosting using Git. Includes source-code browser, in-line editing, wikis, and ticketing. Free for public open-source code. **Louis Jenka, Randy Van White, Challenge Alums, NMT**
7. **How to Start a Robotics team at your school** Veteran Robotics Coach "The Hammer" Edington will provide participants with a brief description of BEST Robotics, Botball, and RoboRAVE to students interested in starting a robotics team. Having coached first place teams in all three of these Robotics Competitions, for those students who already have teams established, "The Hammer" will reveal some key trade secrets that will allow your team to compete at the next level. **Creighton Edington, SODA (School of Dreams Academy)**
8. **Mineral Museum** See gold, silver, and precious gems, the objects of the Conquistador's travels and travails, glitter on glass shelves next to other spectacular mineral forms. **Dr. Virgil W. Lueth, NMT**
9. **Scratch Computer Lab** Create and share your own interactive stories, games, music and art. **Su Gibbs, Project GUTS**
10. **Team Building** – Win it in a minute fun activities. **Janet Penvelope, Project GUTS, Challenge**

11. **Technical Writing** Tips on how to write your proposal and interim and final reports. Get a head start on your project! **Kathy Pallis, Technical Writer Consultant and Sue King, LANL**
12. **Web Design Computer Lab** For Beginners to Advanced -HTML Syntax, FTP, Cascading Style Sheets, JavaScript, Applets, Server Side Scripts, Resource Booklet **Peter Yanke, PY Multimedia**
13. **Werewolf Activity** Otherwise called Mafia, Witch Hunt, or Pirates. It is a party game modeling a battle between an informed minority (the mafia) and an uninformed majority (the townspeople). **JP Gonzales, Santa Fe Institute, Project GUTS, Challenge Mentor**