



"Bridging the Gap" at UMR



Girl Scout Workshops

9:00 a.m. - 3:00 p.m.

October 22, 2005

Sponsored by the Helix Club (student chapter of a national biology society), Water Environment Federation, the Mathematics Association of America, American Nuclear Society, SCRUBS (Pre-Medicine Club) and the Society of Women Engineers, Phi Sigma (Biology Honor Society) and Alpha Chi Sigma (Chemistry Honor Society).

Our workshops will stress hands-on experience in scientific methods. The scouts will learn to observe and collect data, to use basic techniques from chemistry, biology, math and engineering to solve problems and to observe and analyze results. Applications to everyday life as well as to careers in science and technology will be emphasized.

Ecology of Termites: Helix will introduce scouts to the amazing world inside termites. Scouts will learn how an incredible community of microbes help termites digest wood.

Chemistry: Alpha Chi Sigma, the UMR Chemistry Honor Society will introduce scouts to the wonders of chemistry.

Nuclear Power: Students from the American Nuclear Society will give the scouts a tour of the UMR nuclear reactor and teach them about nuclear energy.

Mathematics of Games: The Math Association of America students will introduce the scouts to the math behind card games and maybe how to win at rock-paper-scissors.

Medical Mysteries: Scouts will learn about medicine with the help of UMR Pre-Medicine students.

Engineering your World: The UMR Society for Women Engineers will introduce the scouts to engineering.

Water and the Environment: The members of the Water Environment Federation will teach scouts about the importance of maintaining clean water.

For more information please contact Kristen Russell (Workshop Coordinator, Helix Club) at (573) 341-4831 (klmr2@umr.edu) or Dr. Dave Westenberg (Advisor for Helix and SCRUBS) at (573) 341-4798 (djwesten@umr.edu).