**CHEMICAL SCIENCES LABORATORY (CSL building)**

**VizCenter: Helping the World**
See how the VizCenter helps with Humanitarian Assistance Disaster Relief, stimulation of international relationships and trade, plus assisting law enforcement through emerging technologies, innovative back-end processing, and operational needs.

**CSI meets CSU**
Learn about Forensic Science, develop fingerprints utilizing different methods.

**X-ray Crystallography**
Chemists and biologists learn how a molecule works by studying its three-dimensional structure. Even the largest molecules are too small to be directly observed by the most powerful light microscopes.

**Make a Bouncing Ball with Polymer Chemistry**
Make a polymer bouncing ball out of common household items.

**Show-Me Geology**
Learn about the importance of rocks and minerals in everyday-life, start a mineral collection.

**Laser Applications in Chemistry and Biochemistry**
A wide range of lasers, used in multi-photon nonlinear laser techniques for biomedical and environmental applications, will be on display.

**Engineering & Electromagnets (Aztec Science Camp)**
Find your creativity as you complete an engineering design task to withstand “The Crusher” and build an electromagnet. Parents can learn more about Aztec Science Summer Camp.

**Marine Life Touch Tank**
Learn about Southern California marine life and ecosystems with the Coastal and Marine Institute.

**Who Cheated? Find out by Using Chromatography**
Five students are suspected of forging the answers to an exam. You need to determine if one of the pens found on a suspect matches the ink from the exam. Use the same technique the police use to analyze ink.

**GEOLOGY, MATHEMATICS, COMPUTER SCIENCE (GMCS building)**

**Take a Land Cruise on the RP Oceans**
Make waves, move beaches, and measure the Earth’s rotation.

**Regenerating the Human Body with Stem Cells**
Learn how stem cells make-up different parts of the human body and how they repair and replace dead and damaged organs.

**Build Your Own Butane: Chemistry on the Computer**
Use molecular modeling software on computers to construct a molecule and test it for stability.

**ENGINEERING (Mediterranean Garden & E building)**

**Engineering Village**
Various displays including: mechanical engineering machine shop, aerospace, and robotics. Facility tours start at 10:30am, 11:30am, and 12:30pm.

**BioEngineer for the Day**
Learn how electrical signals are measured from the muscles and brain and used to control devices from games to prosthetic limbs.

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