SDSU Science & Engineering Sampler • March 18, 2017 • 9am-2pm
FREE Public Event and Parking • Fun for the entire family • No RSVP needed

CHEMICAL SCIENCES LABORATORY (CSL) building

VizCenter: Helping the World CSL 120
See how we help with Humanitarian Assistance Disaster Relief; stimulate international relationships and trade; and assist law enforcement through emerging technologies, innovative back-end processing, and operational needs.

Show-Me Geology CSL 2nd-Floor
Learn about the importance of rocks and minerals in everyday-life, start a mineral collection.

CSI meets CSU CSL 226
Learn about Forensic Science, develop fingerprints utilizing different methods.

X-ray Crystallography CSL 231
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.

Engineering and Science with Aztec Science Camp CSL 3rd-Floor
Explore your engineering side as you design and test a structure to withstand “The Crusher.” Find your artistic side as you use a scribble bot to draw a masterpiece. Learn more about Aztec Science Summer Camp.

Laser Applications in Chemistry and Biochemistry CSL 302
A wide range of lasers, used in multi-photon nonlinear laser techniques for biomedical and environmental applications, will be on display.

World of Nanochemistry CSL 303
Come see how nanoparticles are made and analyzed.

Who Cheated? Find out by Using Chromatography CSL 526
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

Build Your Own Butane: Chemistry on the Computer GMCS 245a
Use molecular modeling software on computers to construct a molecule and test it for stability.

Regenerating the Human Body with Stem Cells GMCS 106
Learn how stem cells make-up different parts of the human body and how they repair and replace dead and damaged organs.

Take a Land Cruise on the RP Oceans GMCS 108
Make waves, move beaches, and measure the Earth’s rotation.

ENGINEERING (E) building

Engineering Tours E Building
Depart from the Mediterranean Garden: 10:30am, 11:30am, and 12:30pm.

LIFE SCIENCES (LSS & LSN) buildings

Exploration of the Human Body LSN 3
Explore the amazing world of the human body. Look into a microscope to see the incredible organization and beauty behind bone and muscle.

Flow Cytometry Facility: Lasers Make Cells Glow LSN 26
Watch with microscopes as high-powered lasers allow individual cells to fluoresce in different colors.

Phage Attack: Weapons of Microbe Destruction LSN 2nd-Floor
Learn how phage, the viruses of bacteria, launch attacks against their bacterial targets. See bacterial cultures before and after phage attack.

STEM Cell and Tissue Regeneration LSN 2nd Floor
Learn how freshwater planarians (flatworms) have the remarkable ability to replace missing tissue after an injury.

Museum of Biodiversity LSS 269
See big bugs, hairy spiders, skeletons, furs, feathers, plants, and more from our vast museum collection. Learn about field biology and natural history education at SDSU.

PHYSICAL SCIENCES (PS) building

Electron Microscope Facility PS 1
See inside cells magnified thousands of times on our scanning and transmission electron microscopes.

PHYSICS ASTRONOMY (PA) building

Supersonic Ping-Pong Balls & Superconducting Levitation PA 216
The power of air pressure will be demonstrated as Ping-Pong balls are launched to supersonic speeds at empty soda cans and perform superconducting levitation.

Super-Cool Ice Cream: The Cool World of Cryogenics PA 215
Liquid nitrogen instant ice cream, balloon freezing, and much more.

Planetarium Shows PA 209
Enjoy a tour of the starry night sky in our planetarium. Shows are 20 minutes long and are given every half-hour. (Unfortunately, there is no wheelchair access inside the planetarium.)

Telescopic Views of the Sun PA Roof
View the Sun (safely!) though telescopes; hopefully see sunspots.

MEDITERRANEAN GARDEN

Engineering Displays Mediterranean Garden
Mechanical engineering machine shop, aerospace, and robotics.

http://sdsu.edu/sampler

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