

SAINT LOUIS SCIENCE CENTER

September 23

SCIFEST

Spark your curiosity at our annual series of weekend expos! SciFest connects you with scientists and engineers for a behind-the-scenes look at real science.

Rock, Fossil, Quake

SciFest: Rock, Fossil, Quake offers a unique opportunity to learn about the Earth Sciences. Come experience and learn the current research in seismology, geology, and paleontology in one convenient location! This full-day event features free lectures, demonstrations, hands-on activities, fossil & rock identification, and more will be located on the First Floor & Lower Level in the main building. Check out special activities Fossil Prep Lab and Center Stage.

Scheduled Activities

Special Presentations

Saturday, September 23

@CenterStage (Lower Level)

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| 10:30am | <i>The Great U.S. Shakeout</i>
Brian Blake, Central United States Earthquake Consortium |
| 11:00am | TBA
Casey Holliday, PhD, University of Missouri-Columbia
Department of Pathology & Anatomical Sciences |
| 11:45am | <i>The How, When, Where, and Why of Megathrust Earthquakes and Tsunamis</i>
Noel Bartlow, PhD, University of Missouri-Columbia
Department of Geological Sciences |
| 12:30pm | (Theme TBA)
David Burnham, PhD, The University of Kansas, Biodiversity
Institute & Natural History Museum and Department of Geology |
| 1:30pm | <i>Martian Geology 101</i>
Michael Bouchard, Washington University in St. Louis
Department of Earth & Planetary Sciences |
| 2:15pm | (Theme TBA)
Ashley Morhardt, PhD, Washington University in St. Louis
Department of Anthropology, Neuroscience |
| 3:00pm | <i>The Great U.S. Shakeout</i>
Brian Blake: Central United States Earthquake Consortium |

Ongoing Activities

Available 9:30am - 4:30pm unless otherwise specified.

Dana Brown Fossil Prep Lab (Lower Level)

Dig in to the Fossil Prep Lab to see scientists working on real dinosaur fossils. Learn about how you can spot fossils and what dinosaurs lived right here in our area hundreds of millions of years ago!

Fossil Preparation & Identification

Eastern Missouri Society of Paleontology

Ecology & Environment Gallery (Lower Level)

Shake things up and learn about earthquakes, how they have affected St. Louis in the past, and current efforts to monitor earthquake activity nearby. Plus, learn about geology from local experts and see items from the Saint Louis Science Center Collections up close!

University of Missouri - Earthquake Shake table and Elastic Rebound Activities

Saint Louis Science Center Collections Department - Collections Display

New Madrid Historical Museum - Earthquake Activities

Central U.S. Earthquake Consortium & the Missouri Seismic Safety Commission -

The Great U.S. Shakeout

Missouri Geologic Survey – Geology of Missouri

St. Louis Community College – Geology Club

Earth Science Staff - construct-a-saur, coloring, name that mineral, and other activities

Be on the lookout for a dinosaur feeding!

**Take a ride in the Quake Cottage to experience what an earthquake feels like in real life!
Look for the Indiana Geologic Survey table near the LEV and accessible parking lot
outside of the main building!**

1st Floor

Bring your rocks and minerals (and potential fossils!) for identification by real geologists.

Check out opportunities to study geology and planetary science at local universities, and learn the similarities and differences between archaeology and paleontology.

St. Louis University - Rock & Mineral Identification

Southern California Earthquake Center - Earthquakes and Supercomputing

University of Missouri - Museum of Art & Archaeology

University of Missouri – Holliday Lab

Washington University – Planetary Sciences

Don't miss the next SciFest!

October 14

November 4

January 19-21, 2018

Music-ology

Healthy U.

Showcase