

The Planetarium @ P-Tech

Earthquake Activities

<https://www.ptechplanetarium.com/>

Earthquakes are natural phenomena caused by the sudden release of energy in the Earth's crust, resulting in the shaking or vibration of the ground. This release of energy is typically triggered by the movement of tectonic plates, which are large sections of the Earth's lithosphere. The intensity of an earthquake is measured on the Richter scale, and it can vary from minor tremors to catastrophic events causing widespread destruction and loss of life.

[STEM-Works](#): collections of STEM-based activities

[Earthquake: New Mexico Bureau of Geology and Mineral Resources](#): Classroom activities and educational links for various grade levels that teach various aspects of earthquakes and plate tectonics.

[Candy Quakes \(elementary/middle\)](#): Using a candy bar, gum, and Twizzlers, students will demonstrate the effects of deformational forces on the earth's crust.

[Spaghetti Fault](#): This activity uses a physical model to facilitate students' understanding of the elastic deformation of rocks and the episodic nature of motion on a fault, which leads to earthquakes and aftershocks

[Earthquake Word Search](#): 15-term word search puzzle to print and distribute

[Earthquake CrossWord](#): 18 terms crossword puzzle.