Seismograph Installed in the Science Lab

The Boston College Educational Seismology Project (BC-ESP), Weston Observatory and the Boston College Lynch School of Education recently installed a seismograph in the science lab at Holy Name Parish School. This seismograph records earthquakes in New England and around the world, and measures the pulse of the Earth, providing direct information about earthquakes, plate tectonics, and the structure of the Earth's interior. The Holy Name seismograph will raise the students' awareness of the science of seismology, natural hazards and the environment, and science in general.

You can view the live feed of the Holy Name Parish School science lab seismograph any time, from anywhere: http://www.bcespquakes.com/ftp_files/HNMA.png

Weston Observatory is a geophysical research and science education center of the Department of Earth and Environmental Sciences at Boston College. It is located in Weston, MA about 10 miles west of BC's Chestnut Hill campus. The Observatory has been monitoring earthquakes in New England and around the world since 1931.

About the Boston College Educational Seismology Project

The Boston College Educational Seismology Project (BC-ESP) offers a unique opportunity for students and teachers to be directly involved with scientific research. This project uses seismology as a medium for inviting students into the world of science research. We operate seismographs in K-12 schools and colleges, and we provide curriculum resources based on seismograms of earthquakes recorded by the students. The BC-ESP curriculum, and the associated exercises described here, are a guided experience of the process of scientific inquiry that uses seismology and classroom seismographs as a medium for teaching students about how scientists investigate the natural world.

The essence of educational seismology is based on the fact that school seismographs can record earthquakes that occur at great distances from the school, and that the students can therefore investigate earthquakes they recorded from across the globe. Seismographs measure the pulse of the Earth, and provide direct information about earthquakes, plate tectonics, and the structure of the Earth's interior. Thus, having their own seismograph in the classroom gives students a way of collecting real-world data and making measurements that help them to understand earthquakes, the internal structure of the Earth, and processes by which the Earth changes. The AS1 and EQ1 seismographs, which are the two types of classroom seismographs we use for the BC-ESP, are ideal for this purpose because they are affordable, record earthquakes quite well considering their low cost, and are relatively simple to install and operate.

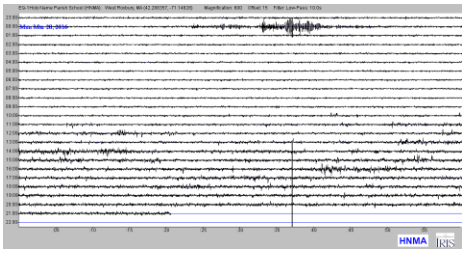
Live Feed to Holy Name Parish School's Seismograph, BC-ESP Blog of Recent Earthquakes, and USGS Recent Earthquakes Map

Click here to connect to a live feed from the Holy Name's Seismograph.

Click here for seismograms of earthquakes recently recorded by Boston College Educational Seismology Project (BC-ESP) schools and libraries.

Click here to compare our seismograph's current live feed to live feed of other seismographs in New England.

Click here for a United States Geological Survey listing set to show earthquakes over 2.5 in magnitude that have taken place all over the world. You can customize the display for location, time and other information by clicking on the settings button in the upper right corner of the site, next to the question mark.



For more information, visit:

BC-ESP Curriculum

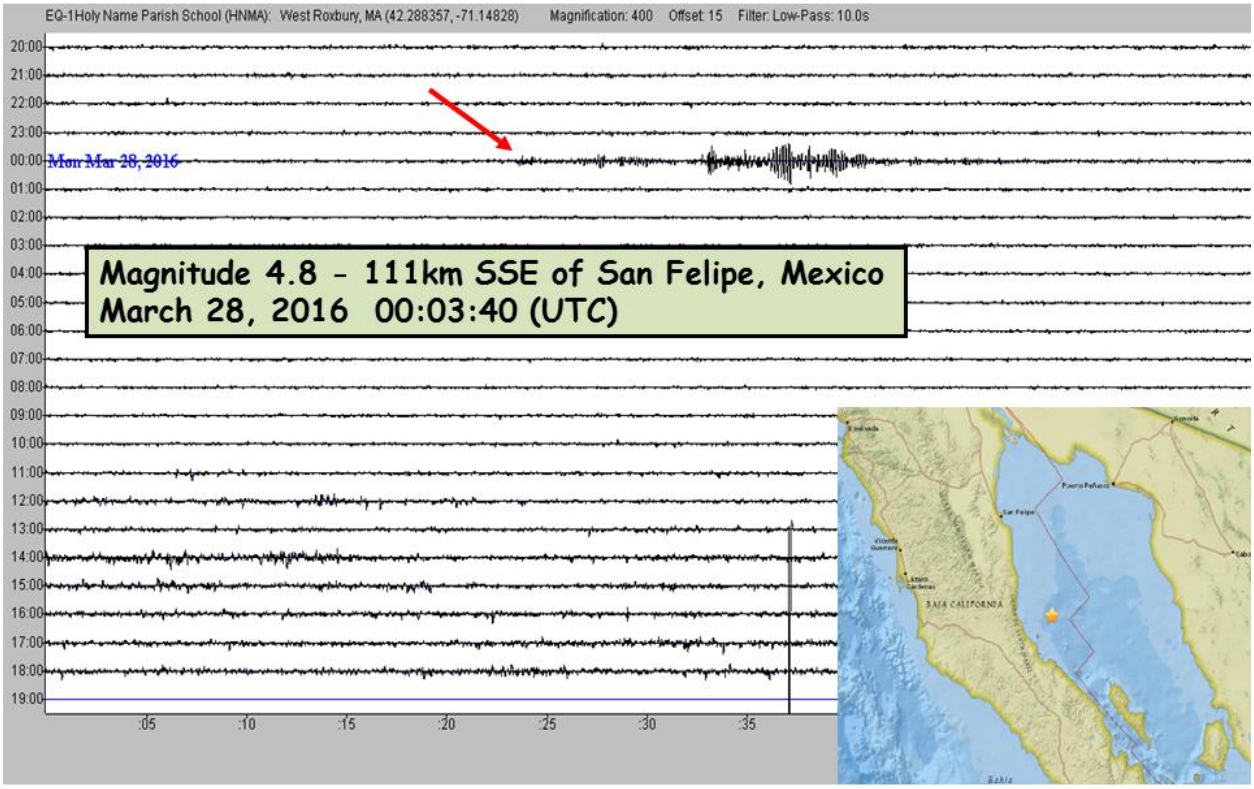
Weston Observatory website

New England Earthquakes

Education and Outreach at Weston Observatory

Why Does the Earth Quake in New England?

Holy Name Parish School, West Roxbury, MA



This earthquake in Mexico was detected and recorded at our school!