



ASSIST

AUSTRALIAN SCHOOL SCIENCE
INFORMATION SUPPORT FOR
TEACHERS AND TECHNICIANS

Published on ASSIST (<https://assist.asta.edu.au>)

[Home](#) > Build an Earthquake Proof Structure

Build an Earthquake Proof Structure

Posted by [sat](#) on Mon, 2014-08-18 20:56

This online resource investigates the implications of earthquakes.

The resource gives details for a student activity building and testing a structure that needs to withstand simulated earthquake vibrations.

Students use a shake table to simulate the earthquakes' movement. The activity can be used as is, or can be used as a stimulus for similar activities such as simulating liquefaction.

There is also scope to build and test different types of structures, using a variety of materials, to examine how the shake table affects the structures.

This activity would be best used in conjunction with a unit studying earthquakes and their effects.

Australian Curriculum v9 Codes: AC9S8U03 (Year 8)

Tags:

[earthquakes](#)

[Earth's surface](#)

[tectonic plates](#)

[shake table](#)

External Link:

[Build an earthquake proof structure](#)

Source Category:

[Educational](#)

[Build an Earthquake Proof Structure](#)



https://assist.asta.edu.au/files/styles/desktop_resource_details_view/public/earthquake01.png?itok=C-KqFv



No votes yet

Publication Date:

November, 2010

Earthquakes

Source URL: <https://assist.asta.edu.au/resource/2433/build-earthquake-proof-structure>