

An orange spiral line forms a decorative border around the entire text area, starting from the top left and ending at the bottom right.

EARTHQUAKE

STEM

CHALLENGE

secret agent addition

Directions

Students will be given various materials like Legos, Lincoln logs, tooth picks, cotton swabs, aluminum foil, Unifix cubes, or play doh to construct a structure. In my class, we gave each group a poster board to build their structures on. This allowed the students to simulate an earthquake. It is fun for students to use different materials so they can predict which structures will withstand an earthquake as well! Enjoy this prompt!

A decorative orange spiral border surrounds the text, which is set against a white background with a subtle drop shadow.

Geologist Secret Agents,

Your next mission is extremely urgent. Command has received information that several earthquakes have occurred in our area. To prevent major destruction, Command needs you to construct a house that can withstand the force of an earthquake. Please brainstorm ideas with your secret agent squad to create an earthquake proof house. Remember to communicate and work together as a team to save the people of our city!



Illustrate your Ideas



What about your design worked well?

If you were to do this mission again, what would you do differently?

How did your group work together? What was your role in the group?