

Earthquake Simulation

App: Earthquake Simulator 2D

Situation: Imagine you are an engineer in San Francisco. You have been asked to design a new business center for the city that will stay standing if an earthquake happens.

Task: Use the Earthquake Simulator app to conduct action research of **3 individual blocks and 3 stacked towers**. Your goal is to see which types of buildings would work for your business center and which ones would not. Record your information here. You will be able to use this information to draw plans for the new business center.

Building	Earthquake Magnitude	Explain effects to buildings	Drawing	Include in my city? (Yes or No)
Individual Blocks:				
Length (w) _____ Height _____				
Length (w) _____ Height _____				
Length (w) _____ Height _____				

Stacked Block Tower:	Earthquake Magnitude	Explain effects to buildings	Drawing	Include in my city? (Yes or No)
Total Length (w) _____ Total Height _____				
Total Length (w) _____ Total Height _____				
Total Length (w) _____ Total Height _____				