



Sized house reaction to earthquake magnitude

C52



RESEARCH

My research told me the magnitudes of earthquakes and how much destruction they cause. I've also read stories about earthquakes that set world records for the biggest magnitude like the 7.5 Mexico earthquake and the 9.5 earthquake in Chile.

Chile 9.5 1960

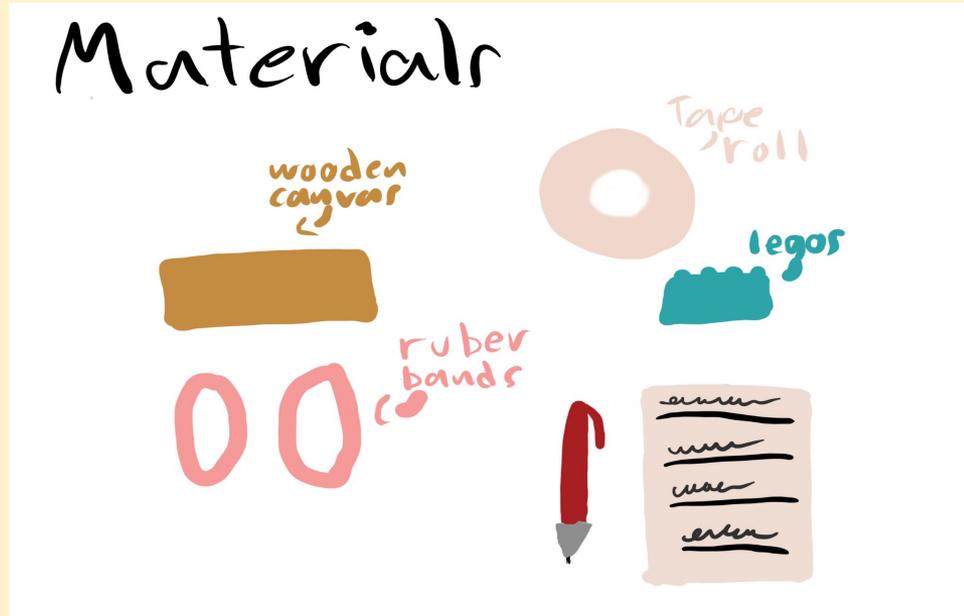


Mexico 7.5



MATERIALS

The materials used in this project are two wooden canvases, two rubber bands, a empty tape roll, legos a pen and a notebook to rite down.



PURPOSE & HYPOTHESIS

The purpose of this science project is to test what sized house can survive the tip earthquake magnitude it's also to ensure that house builders make houses more resistant to earthquakes. My hypothesis is that the small sized house, medium sized house and the large house will fall in a large earthquake magnitude.

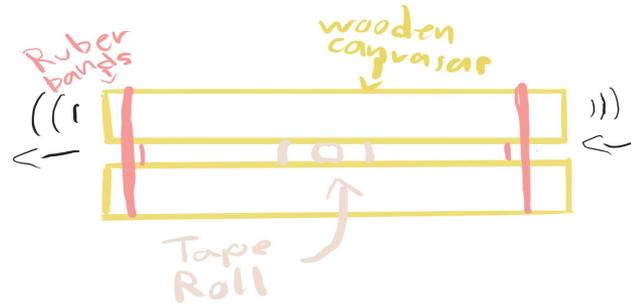
EXPERIMENT

For my experiment I tested 3 house sizes small, medium and large then I rocked the wooden plate side to side which will rock the lego house.

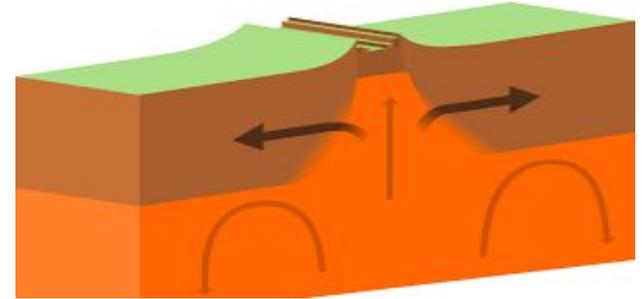
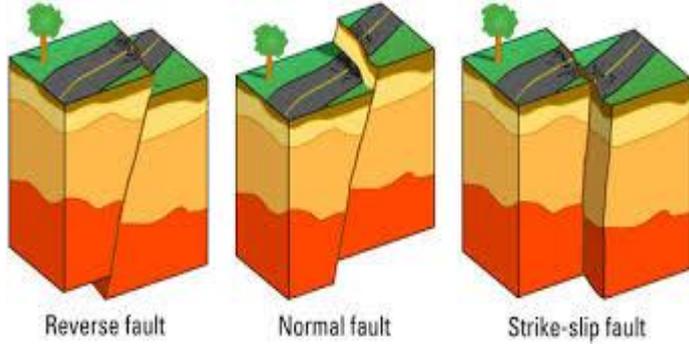
The lego house



Expirement

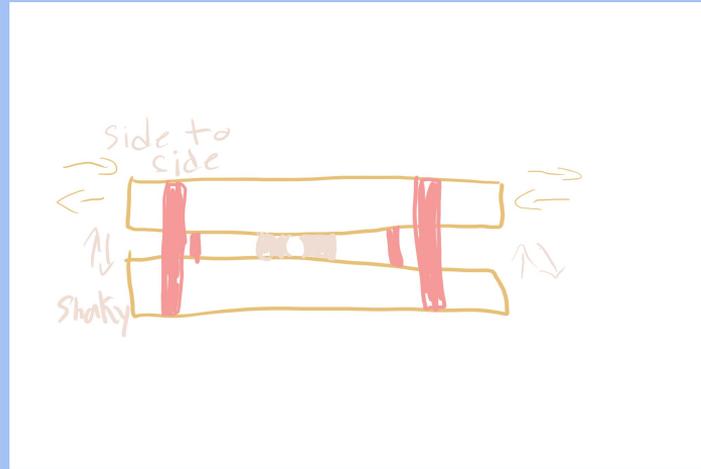


PHOTOS



ANALYSIS

At the end of my research i discover that there are different types of earthquakes ones that swing side to side and that helped me with the project by making two types one earthquake that swings side to side and ones that shake.



CONCLUSION

Conclusion at the end of my test it took notes and in my note I noticed that a large house will most likely fall in a 4.2, 7.2 and a 9.5 earthquake because it has multiple floors which might make it weaker and the house will fall.

REAL WORLD CONNECTION

My real world connection in this project is earthquakes. The reason why this project matters is because earthquakes are really dangerous and can cause danger to people, houses and animals so my test will tell me what house will fall in a earthquake.



WORKS CITED

The websites i visited were <https://kids.kiddle.co/Earthquake>, <https://kids.nationalgeographic.com/explore/science/earthquake/> and Science Max: Experiments at Large a video talking about what house will survive a earthquake and shaped house can also survive an earthquake.