

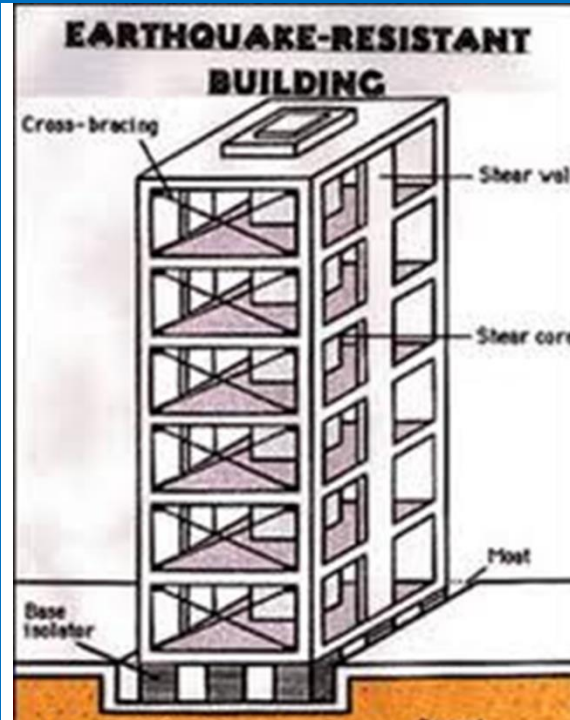


# Lacock Primary School – Year 4/5/6 – Earthquake resistant buildings



## Important Vocabulary

earthquake	An intense shaking of the earth's surface.
resistant	Capable of withstanding a force.
Cross-bracing	A system used to reinforce a building in which diagonal supports intersect.
foundation	The lowest load bearing part of a building.
Shock absorber	A material or device which absorbs vibrations.
flexible	Something which can bend easily without breaking.
Reinforced	Something which has been strengthened or supported, often by adding material,



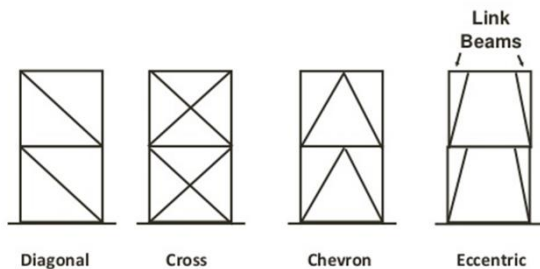
## Key Skills

- Designing
- Researching
- Evaluating and modifying
- Accurate measuring
- Assembling
- Joining

## Design Process



## Why is cross-bracing important?



## Key Knowledge/Facts

- To be able to identify features needed before, during and after an earthquake.
- To be able to understand the needs of their intended user.
- To be able to review and modify their designs following discussions with peers.
- To understand types of and reasons for cross bracing.

What I should already know:

Why basic materials are chosen for specific tasks.

This learning will help me in the future when I learn:

To communicate ideas using detailed plans and mathematical modelling,