

# Science Play



Suggested Activities For Educators

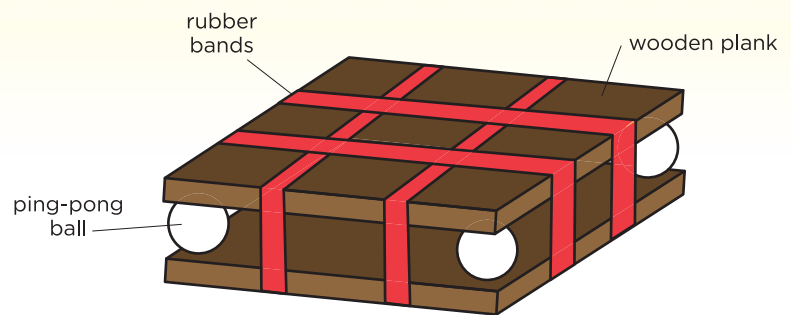


Extend your students' learning after their visit to KidsSTOP™ with the activity provided!

## Jobs Express Shake it off!

### What you will need

- Building blocks
- 2 wooden planks (25 x 25cm)
- 4 ping-pong balls
- 4 rubber bands



*Shake the platform to test the strength of the structures!*

### PROCEDURE

1. Secure the wooden planks with rubber bands.
2. Insert the ping-pong balls into each corner as shown.
3. Test the platform by shaking it.
4. Get the children to build structures with the building blocks.
5. Test the strength of the structures by placing them on the platform and shaking it.
6. Explore different ways to make the structures stronger. You can experiment with different materials for the structures as well.



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## QUESTIONS TO ASK

- Why do we need to build structures that can withstand shaking?
- Build the same structure with different materials. Which materials are more resistant to shaking?
- How can we make the structures stronger?



## SCIENCE CONCEPTS

- Earthquake-resistant buildings are designed to move with the force of an earthquake or tsunami, rather than being completely rigid. This allows them to withstand natural disasters.
- The lighter the building, especially toward the top, the more resistant it is against seismic effects. Earthquake-protected structures have lightweight roofs, walls and floors.



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