

# Creating a folding Resonance Board 4x4

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Please note: The hinge that we had to work with in this photo shoot was 3 feet long but it was used on a 4x4 Resonance Board; therefore there is a 6 inch gap at the top and bottom of the board.

A folding Resonance Board enables it to fit into a car trunk and it will increase the storage options in homes and schools/preschools.

Here is how to take a 4x4 Resonance Board and create a folding hinge:



Back of the Resonance Board



Front of the Resonance Board



Use a table saw to cut the Resonance Board in half



The supplies: LePage: PL Premium 3X & caulking gun, 3-foot hinge, packing tape (not pictured: a popsicle stick)



Glue down one side of the hinge.



Ensure glue is evenly distributed with a popsicle stick.



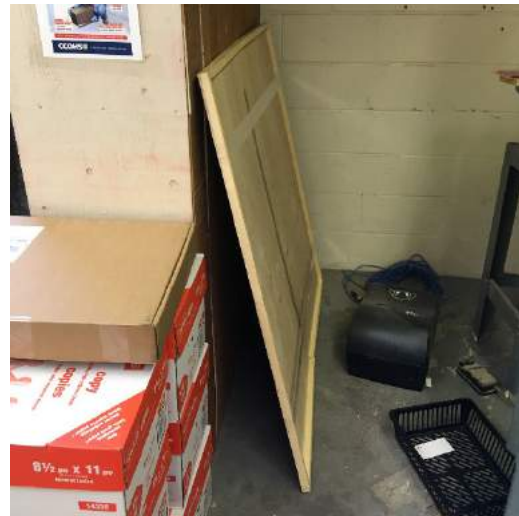
Insert the hinge on one side of the Resonance Board  
Note: The flexible white part of the hinge is facing down to enable the board to fold. If it is facing up, the lip around the board will not let it bend.



The glued hinge on both sides with a 6 inch gap on both ends.  
NOTE: Our maintenance staff does glue the special hinges in place on the resonance board. The Amazon site states that glue is not needed, but to be on the safe side we do glue it. Plus it helps with the longevity of the board.



Use packing tape to ensure the board is held in place while the glue dries.



Let the board dry for at least 24 hours.



Folded Resonance Board waiting to be packed in a car



In the back of a 2016 VW Passat (fits in trunk if the seats were folded down)

The hinges can be ordered from:

- Amazon US <https://www.amazon.com/Clear-Living-Bottom-Groove-Material/dp/B00CLBPDVC>
- Amazon CDN <https://www.amazon.ca/Clear-Living-Bottom-Groove-Material/dp/B00CLBPDVC>

**PLEASE NOTE:** Ideally you could add extra support under the hinge to prevent it from cracking. Also, a longer hinge would help to avoid the open crack in the board at the ends. (We want to be sure that a child doesn't cut his hand or a get finger stuck in cracks in the board!)