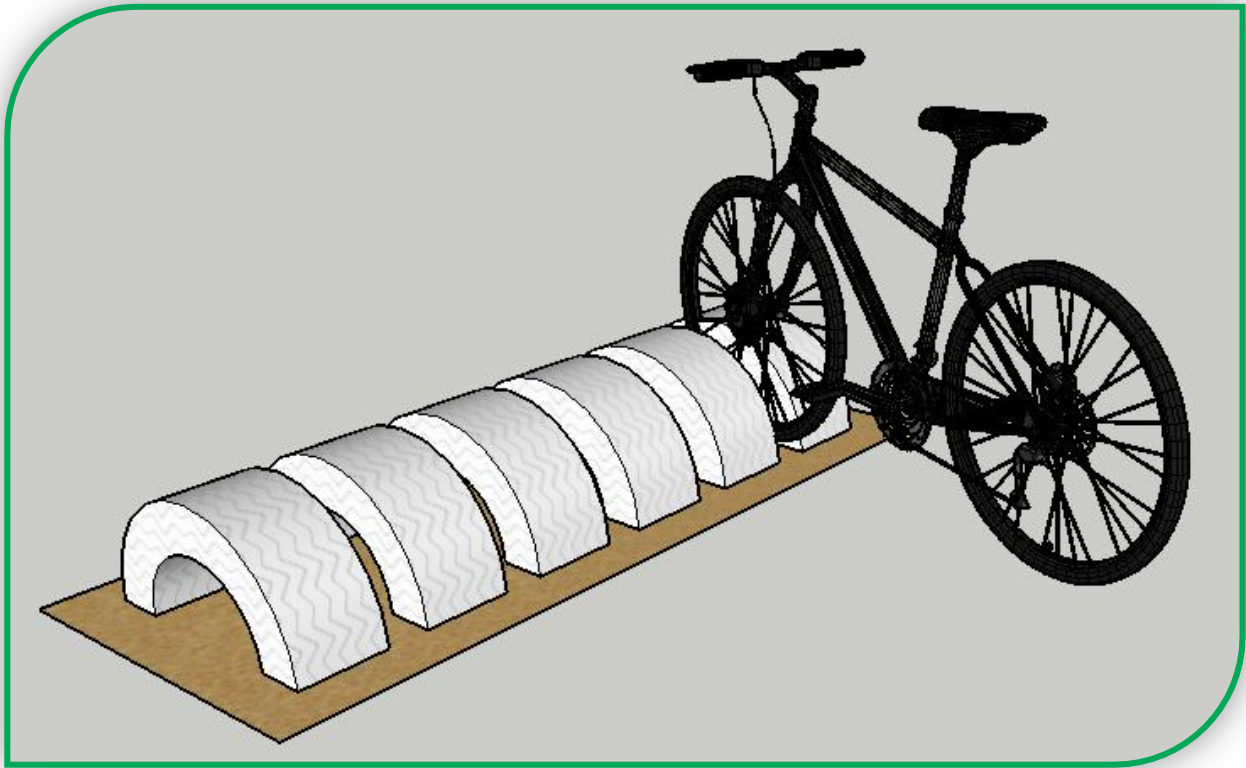


## Upcycling Tyres to make Bicycle Parking



### Materials:

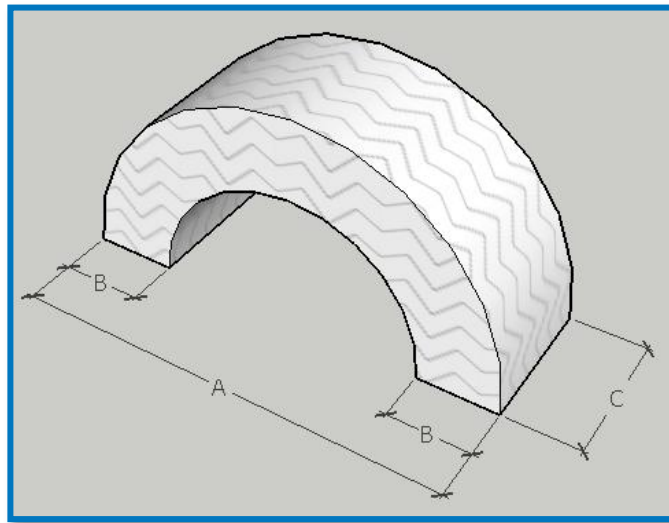
- Waterproofed board (as a base)
- Tyres
- Length of timber cut into squares e.g. 2"x2" or 4"x4"
- Large wood screws
- Washers
- Paint

### Tools:

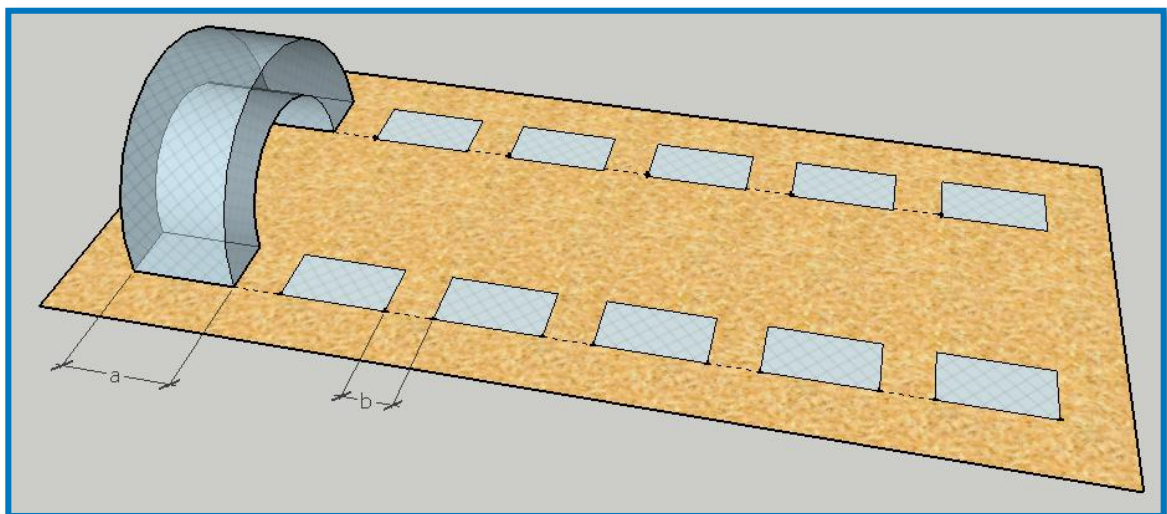
- Tyre Cutter – e.g. angle grinder with cutting blade to cut the tyres in half
- Drill/Screwdriver
- Volunteers to help you build it! Parents, community groups (men's sheds, leader groups, etc.)

## Process:

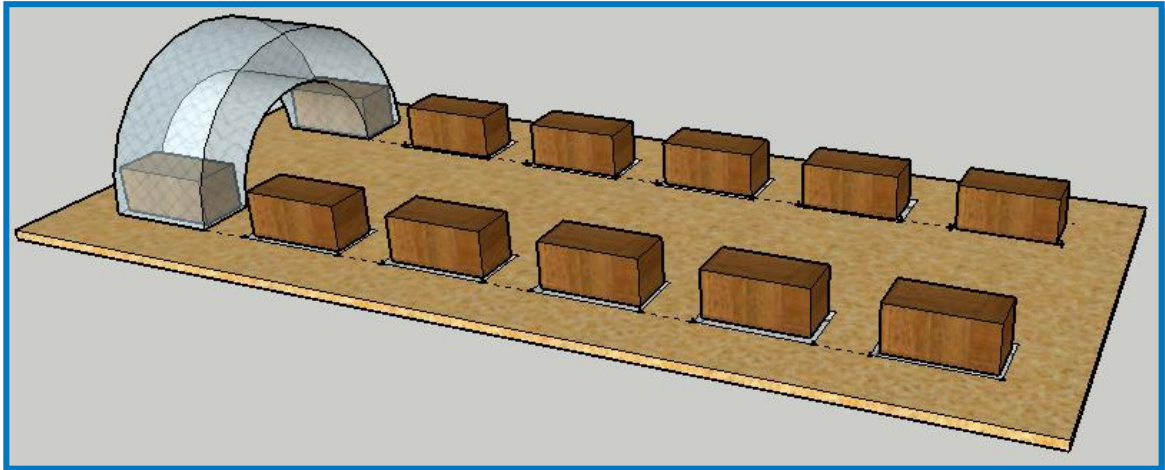
1. Determine how many spaces you want to fit on board
  - 1 tyre = 1 space; 2 tyres = 3 spaces; 3 tyres = 5 spaces, etc.
  - 4-6 bicycle spaces per board (otherwise the board gets very heavy to move)
  - A standard 2440 x 1220 plywood board should fit 5-6 bike spaces
2. Ensure the board is waterproofed. Paint the board to make it colourful!
3. Cut the tyres in half using the cutting tool.
4. Measure the half-tyre diameter [A], depth [B] and width [C]. All tyres will vary in size!



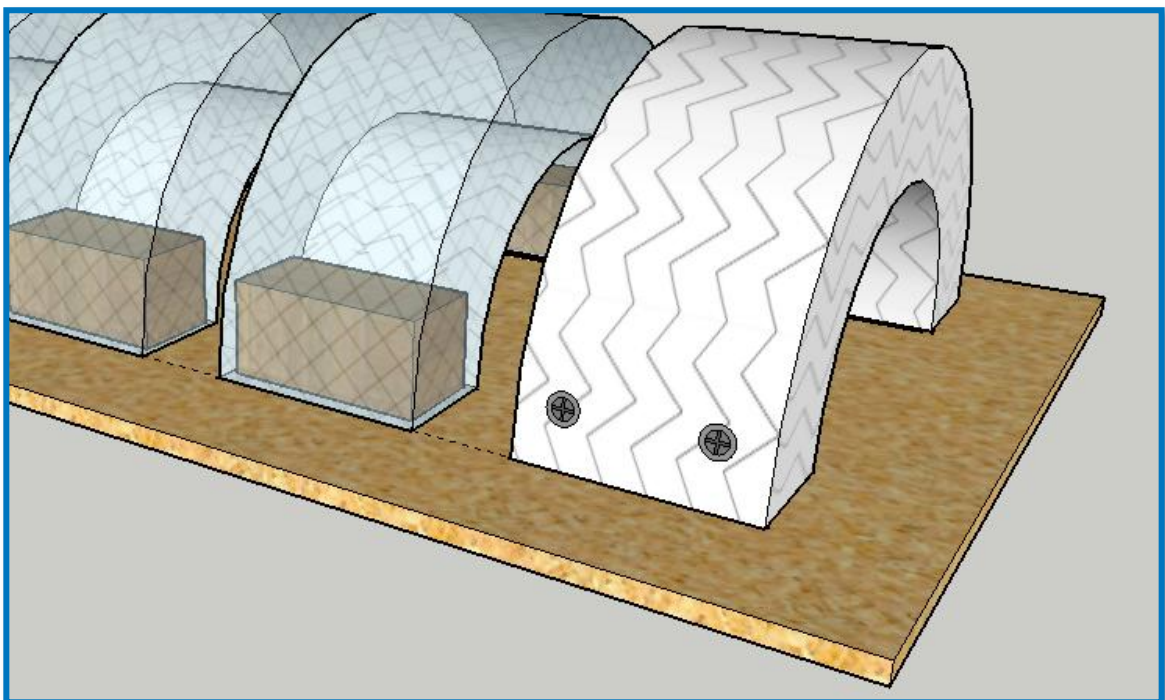
5. Measure and mark the board to fit the number of half-tyres [a] allowing for a gap to fit a bicycle wheel [b] in between the tyres. E.g. 100mm



6. Cut blocks from the length of timber to fit under the tyres. Use the measurements from the depth [B] and width [C] of the tyre to determine the size of the blocks.
7. Place the blocks on the board. You can place the tyres over them to ensure you are happy with the spacing before screwing them into place:



8. Screw the blocks from underneath the board to secure them into place.
9. Place the tyres over the blocks and screw them onto the blocks, using the washers if required:



10. Paint the tyres if you want to!
11. Have a party to celebrate your new low-cost bike parking!

## Examples from Green Schools:



*Mol an Óige,  
Ennistymon, Co. Clare*



*Scoil Mhichíl Naofa,  
Bere Island, Co. Cork*