

## **WORKSHOP DESCRIPTION**

This workshop will teach you how to built your own wheelchair starting from the Toowheels project. Toowheels is the first DIY wheelchair, born from mixing design for all skills and maker's world: [www.toowheels.org](http://www.toowheels.org).

During this workshop we explain you how to start in designing your wheelchair from the Toowheels user manual, customizing the project for your needs, making your own wheelchair using simple material and tools. At the end of the process you can use your chair, improving it as your fantasy want, and repairing easily broken parts!

## **NUMBER OF PEOPLE EACH INSTRUCTOR**

It depend from a lot of thinks, bur more or less one instructor can support the building of 4 or 5 wheelchairs (better if people work in groups of 2/3 persons, especially if one of them as some disability).

## **ESTIMATED TIME**

It's possible to make a wheelchair in about 4 appointment of 3 hours each. I suggest to add one extra hour at the end of the workshop, so people can play and use together their new wheelchairs!

## **AGE REQUIRED**

The process is not so difficult, so the workshop can be open from the age of 16 years old. But for the construction of the chair you have to cut some metal pipe and plywood sheet: the level of danger and difficulty depending on your kind of tools, so we suggest to have at least one adult each wheelchair you want to built.

## **LEVEL OF DIFFICULTY**

The workshop can be open at beginners, because it's made almost of simple operations.

## **HOW TO GET YOURSELF READY!**

You don't need any special skills to to this workshop, but if you have any basic understanding in cut and drill wood or metal parts it's better. For the correct customization process of your wheelchair, you need to know how its works: we suggest you to be confidential with a wheelchair trying to use it, talking with people that use wheelchairs, looking for some images and videos of wheelchairs on internet in order to have an idea of this world.