

## woodcanoo (undp-toolkit)

Make your own construction materials for hands-on rapid prototyping. Used for the 'little robots' icebreaker exercise in the Make the Future workshops for UNDP (United Nations Development Programme) in Georgia, Egypt and Armenia, developed by Waag Society.

For instructions on how to use the Woodcanoo in your workshops or design process, download the free toolkit guide: [Make the Future - workshop toolkit](#).

Ice-breaker exercise: Little robots - work in groups of 3 to 5 people on a small design assignment with very easy to use electronics (LED Throwies, Bristle Bots or other small 'robots') in order to get things started and to 'break the ice'. The mastering of the simple electronics provides participants with a sense of empowerment and self-confidence with regard to their own ability. You give each group some batteries, vibration motors and LEDs. These simple electronics they can use to build little creatures or machines, using small construction materials: For example some 'woodcanoo' pieces with bolts, nuts, screws, super glue, etc.

### *Material for Woodcanoo:*

4 mm plywood (960x460mm)

### *Lasercutter settings:*

- select 'vector'
- select 'driver/extend' in order to cut out the full file
- length of 895 mm
- For cutting select pen Black: speed 2 - power 100

### *Attached files*

cutsheet\_woodcanoo.ai 1.02 MB

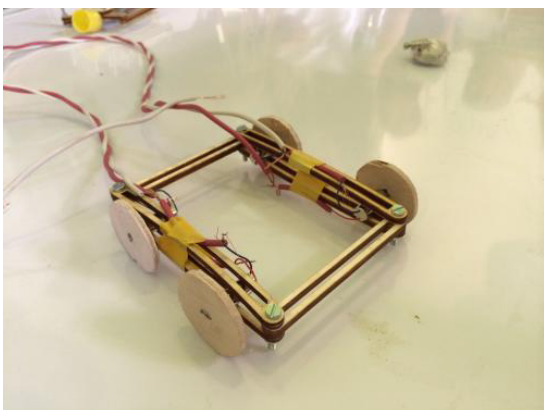
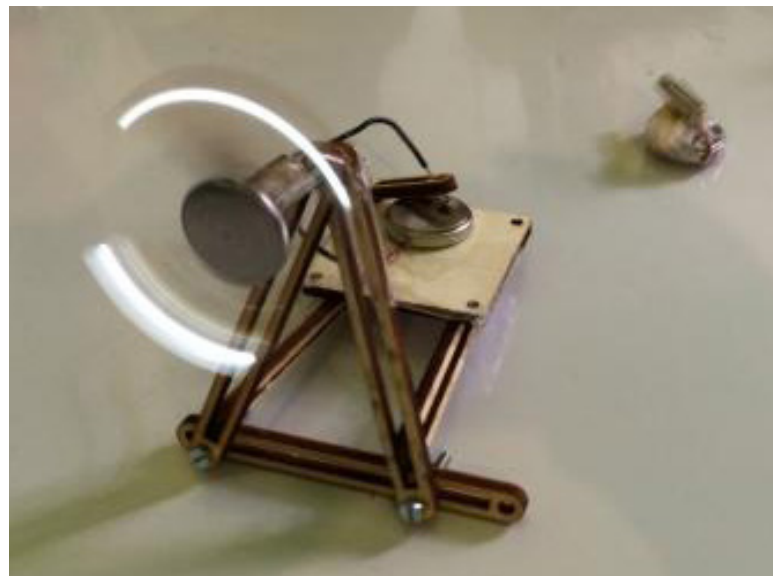
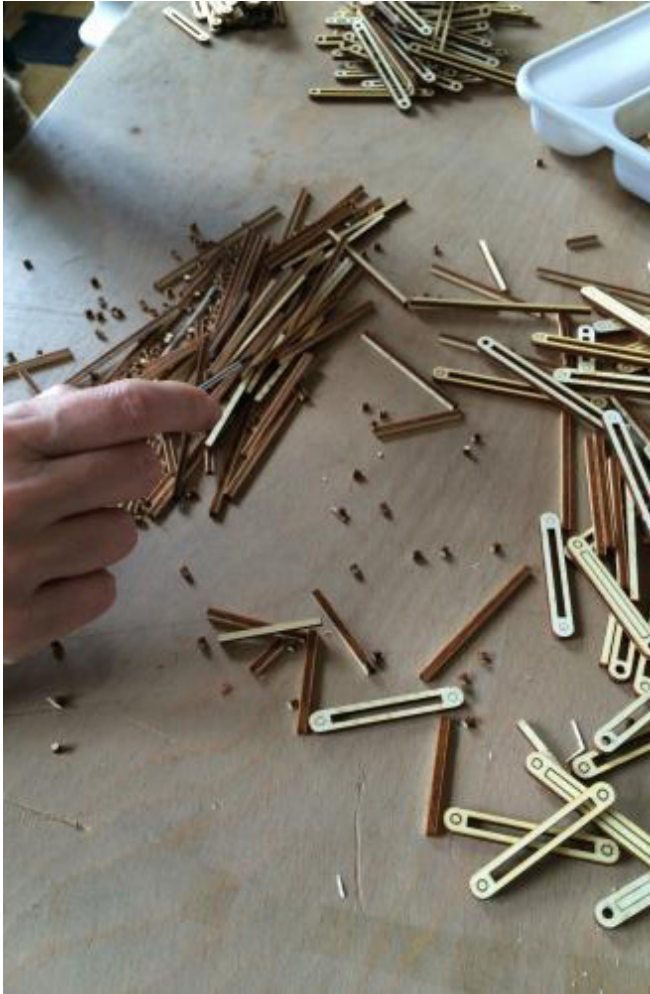
File is in the zip file with this instruction.

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## preparation and example uses



[waag.org/undp-toolkit](http://waag.org/undp-toolkit)