

## ROCKET STOVE



### Objective :

Make a portable rocket stove wich can be used everywhere.  
Use an abundant resource, kindling.

### Description :

This rocket stove easy to transport allows to warm, to cook or to boil some water.

Easy to build, sturdy and very effective, it uses four times less wood than a classic opened fire..The firebox is made out of a steel tube wrapped in an insulator.

The model described includes an edge which gives protection from the wind at the exit of the fire-box.



*General outline of the rocket stove*

### Supply

- A can or a gas cylinder (to be absolutely emptied by a professional to avoid any explosion)
- A steel tube .L70Cm/diam – 12 to 25 cm
- A metal plate L 20 cm and tube widths 0
- Insulating material or ash
- Flat iron 2 cm wide for the pan support
- Handles



*Cutting the tube and drilling of holes*



## Tools

Grinder, cut-off and grinding wheels, welding machine

## Completion

- Cut the top of the can and drill it with a centered hole of the tube diameter.
- Drill a hole of the tube diameter on the bottom side of the can.
- Make the elbow tube
  - Cut the tube at a 45-degree angle
  - Weld the 2 parts of the tube to form the elbow
  - The bottom of the elbow goes out by the hole aside, the top is centered
  - Put the elbow in the can
  - Put the nails and then weld the elbow
- Fill the can with the insulating material
- Put the top of the can back to front to create a protection edge for the firebox exit
- Position the fireplace grates
- Put handles if necessary



*Marking of the tube at a 45 degree angle*



*Positioning the elbow*



## Points of attention

- Wear the necessary protective equipment
- Mark the cutting line on the tube at a 45-degree angle
- Nail, check and then only weld