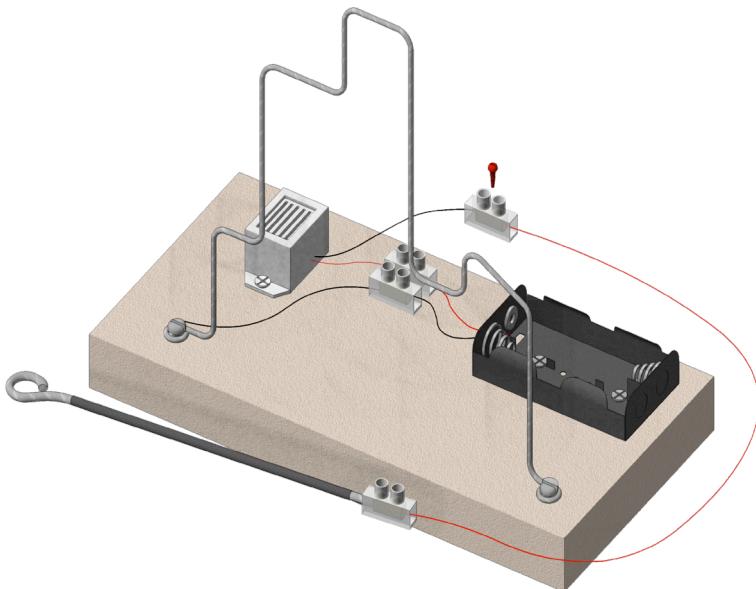


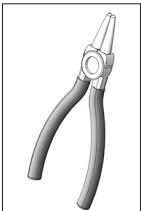
111.563

Skill game Hot wire

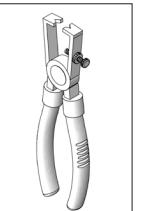
Tools required:



Pricking awl



Round nose
pliers



Wire stripper



Philips screwdriver



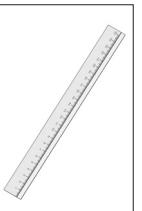
Slot screwdriver



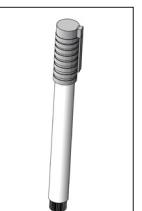
Adhesive tape



Scissors



Ruler



Edding marker

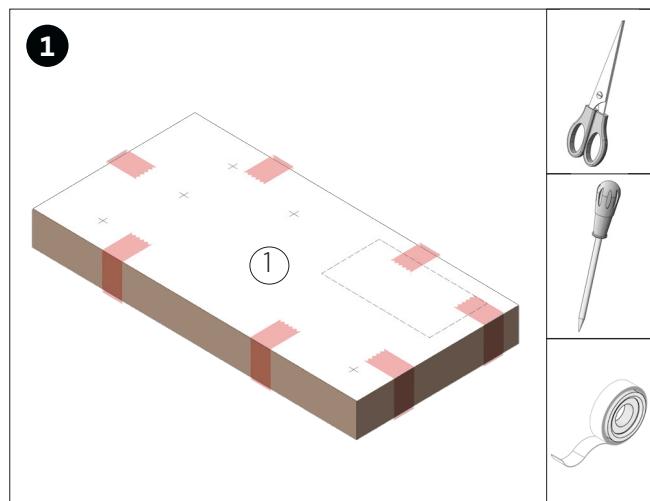
Please Note:

The OPITEC handicraft packs are not toys in a typical off-the-shelf sense, but rather additional teaching and learning material for educational purposes. This craft pack may only be constructed by children and adolescents under the guidance and supervision of experienced adults. Not suitable for children under 36 months.

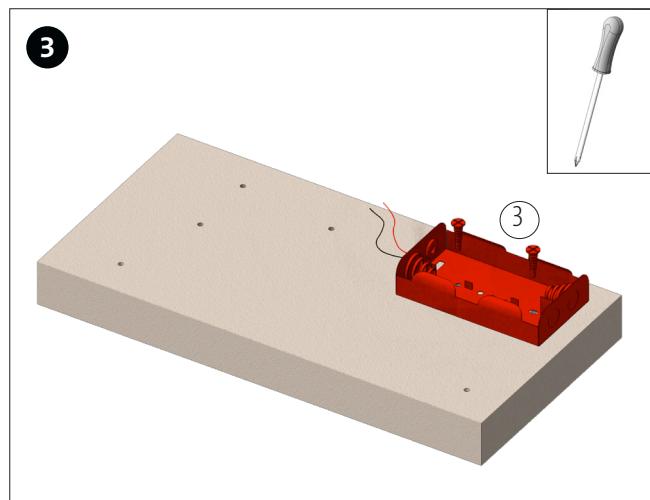
Choking hazard!

Parts list	Number of pieces	Dimensions (mm)	Description	Part no.
Base plate	1	180x90x19	Base plate	1
Aluminium wire	1	Ø1,6x500	Wire figure	2
Battery holder	1		Power source	3
Mini buzzer 2-5 volts	1		Alarm	4
Luster terminal strip	1		Wiring	5
Wire insulated	1	Ø2,6x150	Guide arm	6
Switching wire black		500	Wiring	7
Chipboard screws	2	3x12	Fixing battery holder	8
Pan head screw	3	2,9x16	Fixing luster terminal/aluminium wire	9
Pan head screw	2	2,2x9,5	Fixing buzzer	10

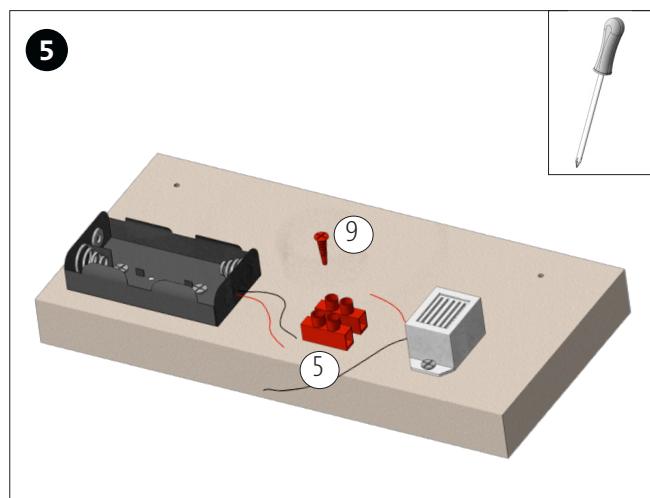
Instruction 111.563
Skill game "Hot wire"



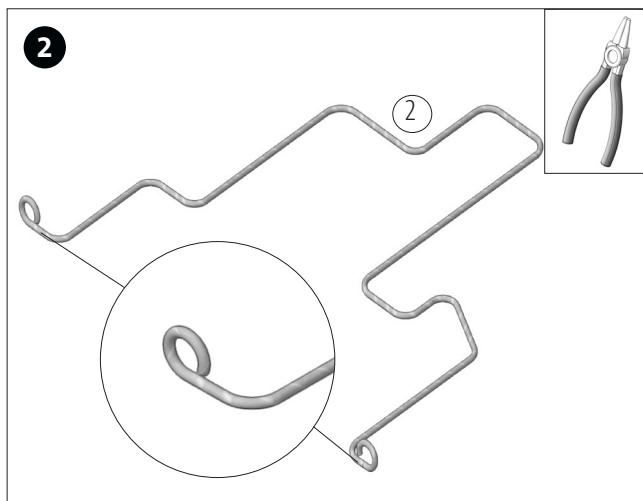
Cut out the template (A) and fasten it to the base plate (1). Then mark the screw holes with a pricking awl. Place the battery holder in the dotted marking and mark two holes.



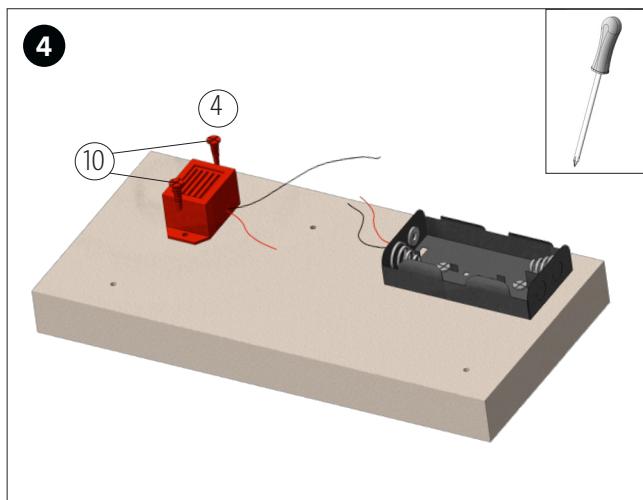
Unscrew the battery holder (3) with the two screws (7) at the marking provided.



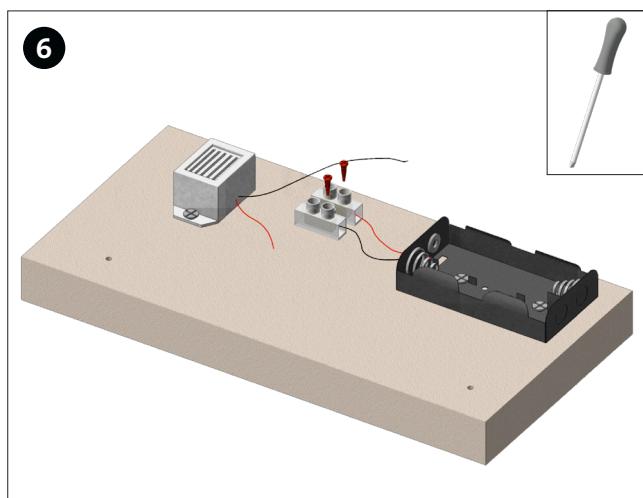
Separate a pair of luster terminals from the luster terminal strip (5) and screw them tight at the intended position with the screw (9) as shown.



Bend the wire (2) according to the bending template (page 7). Bend the eyelets with round nose pliers as shown.

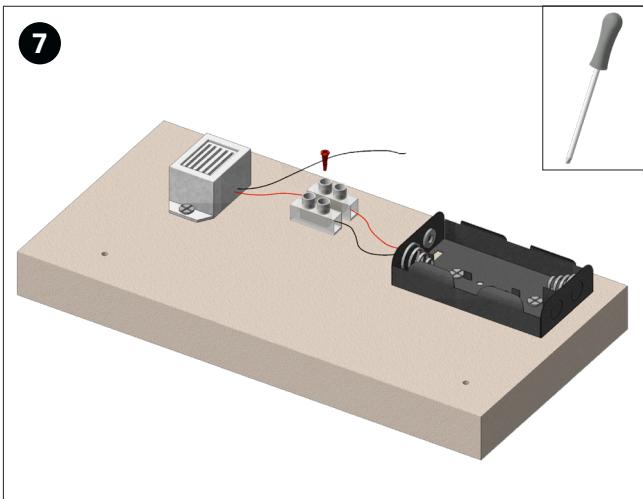


Fasten the buzzer (4), as shown, at the intended marking with the screws (10).

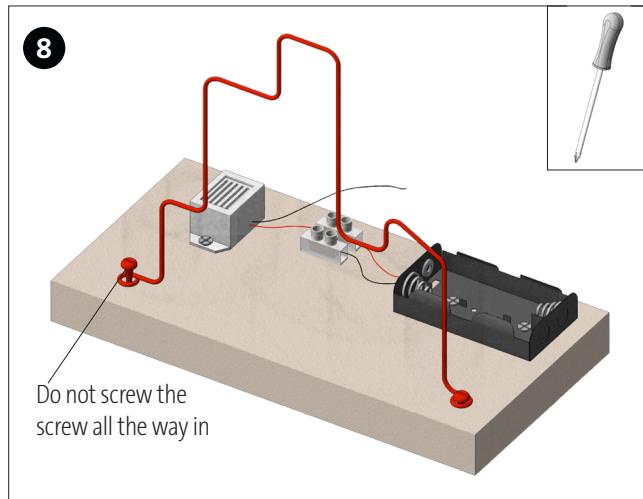


Insert the battery holder cable into the luster terminal strip as shown and screw tight.

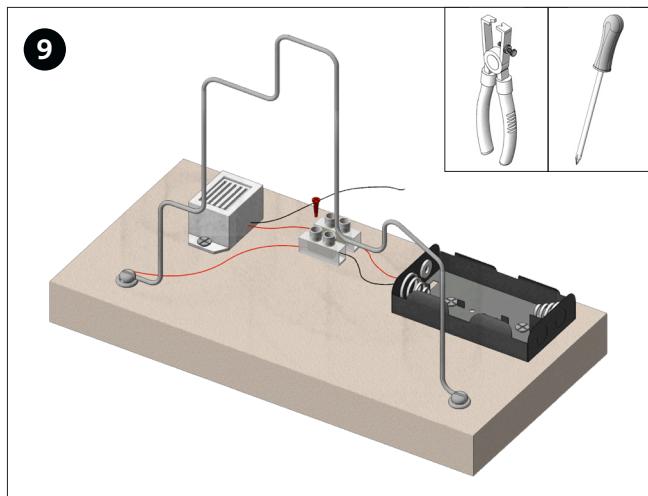
Instruction 111.563
Skill game "Hot wire"



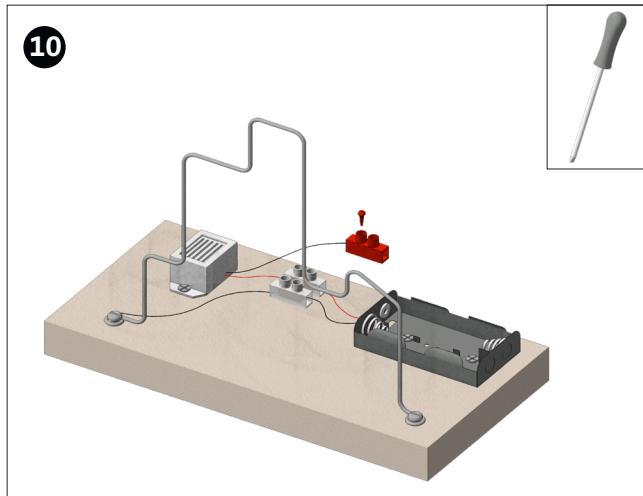
Plug the buzzer's red wire into the luster terminal block and screw tight.



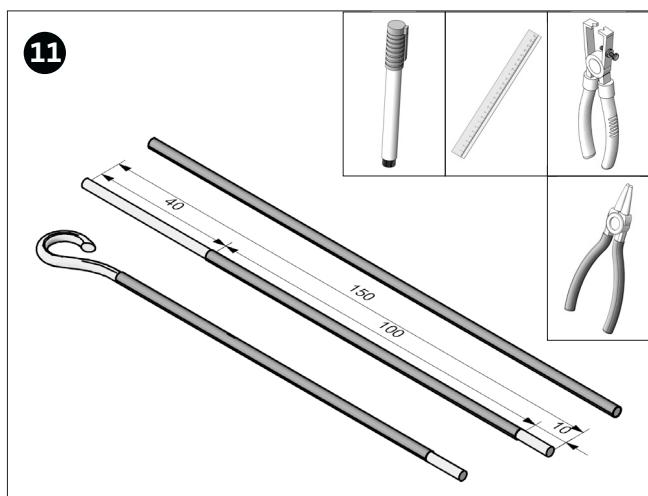
Screw on the bent wire figure with two screws (9) at the marking provided. Do not fully tighten the buzzer screw.



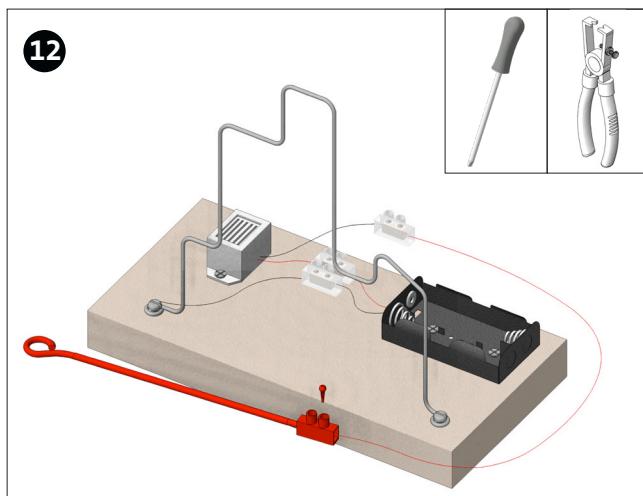
Strip an approx. 80 mm long piece of wire (10) on both sides, insert into the luster terminal block and screw tight. Wrap the other end around the spider screw as shown and then tighten.



Connect a piece of the luster terminal to the buzzer's black wire.

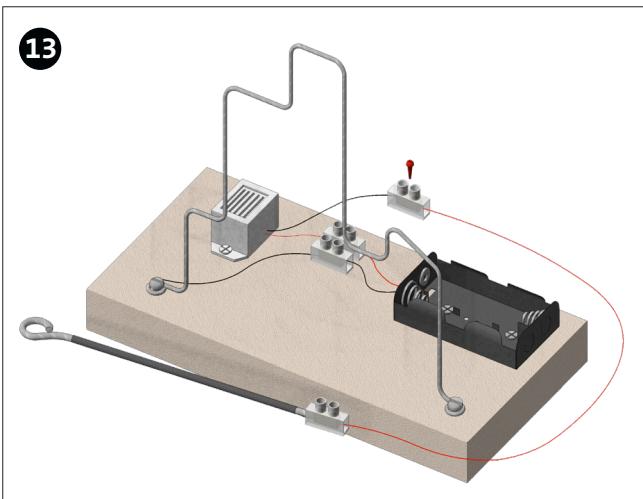


Measure and mark on the insulated wire (6) 40mm at one end and 10mm at the other end. Then strip. Bend the long stripped end into a hook.

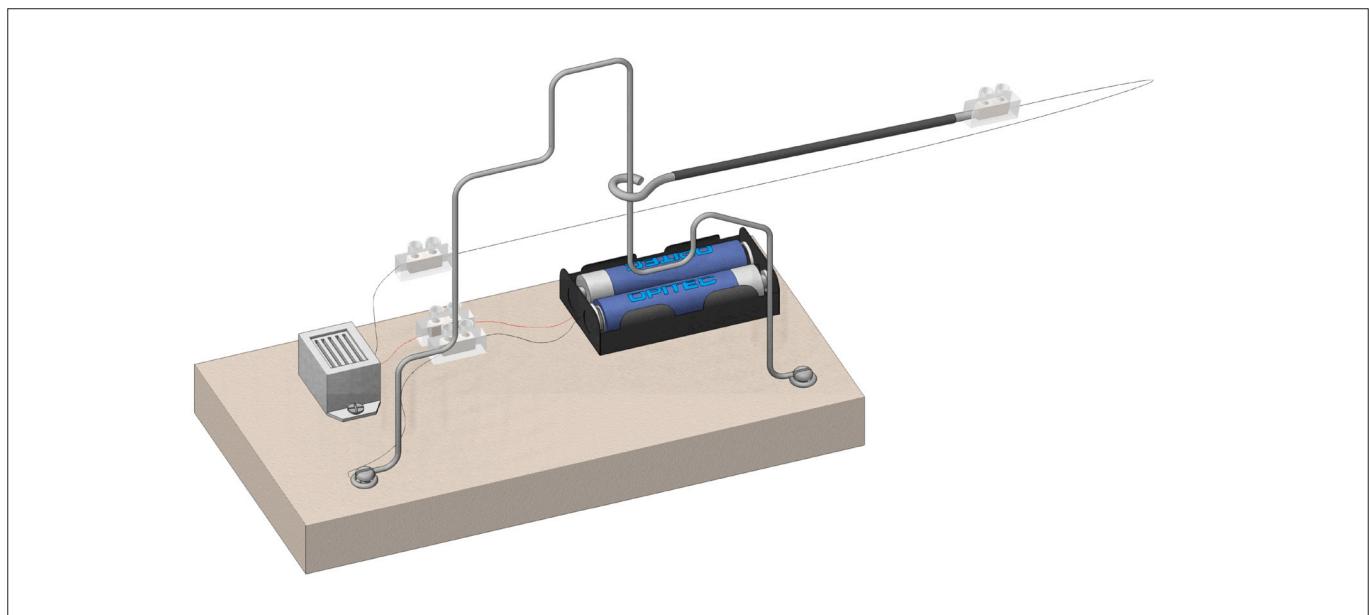


Screw the curved guide arm into the last piece of terminal strip. Strip the remaining long piece of wire on both sides and screw one end into the terminal block on the guide arm and the other end into the terminal block on the buzzer.

Instruction 111.563
Skill game "Hot wire"



Insert batteries
Finished!



Functional description:

Thread in the guide arm and guide it along the curved wire assembly. Make sure that the loop does not touch the wire of the assembly.

If the wire is touched, a signal sounds and you have to start again.