

OPITEC

113.923

LED ball "Asteroid OPI13"



Necessary tools:

Ruler and pencil
Drill 1mm and 5mm diameter
Piercing needle
Soldering iron and solder
Scissors
Acrylic black or Edding black
Pliers

Please Note

The OPITEC range of projects is not intended as toys for young children

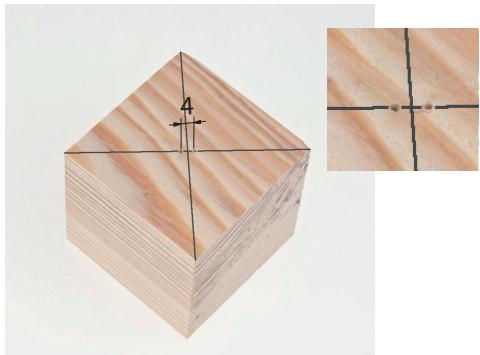
They are primarily designed as an aid for teachers of Design Technology to encourage the practical development of young children. These projects should be carried out with the aid of a qualified adult. They are NOT suitable for children under 3 years of age!

| Parts List | | | | |
|-------------------|-------|-----------|--------------|----------|
| | Parts | Size (mm) | Description | Part-N°: |
| Wooden block | 1 | 50x50x50 | Foot | 1 |
| Welding rod | 2 | 250x1 | LED Holder | 2 |
| Rainbow-LED | 1 | ø5 | Light source | 3 |
| Button cell 3V | 1 | | Power source | 4 |
| Nylon Wire | 1 | 2000 | Light wire | 5 |
| Table tennis ball | 1 | | Ball | 6 |

Instructions

Step 1:

Mark out the middle point on the wooden cube(1) mark out 2mm from the centre as shown. On each mark drill a 1mm dia hole (See detail)



Step 4:

Use a hole maker to make the holes all over the table tennis ball (1mm dia)
Keep the holes ca 5mm apart



Step 5:

Take the welding rods (2) shorten them or leave them as they are. Solder one welding rod to each leg on the LED (3) See detail



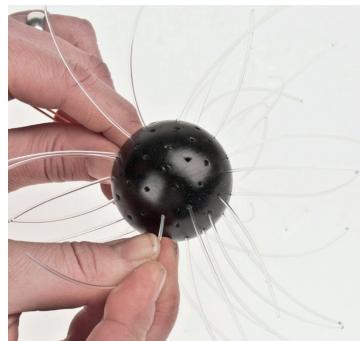
Step 7:

Cut from the nylon a ca 60mm piece. The length of these nylon pieces can vary. The amount depends on the holes in the tennis ball.
Note: the lengths of the nylon depends on the amount of holes in the ball and the total length of nylon



Step 8:

Insert these nylon pieces through the holes in the tennis ball
(Use pliers to help)



Step 9:

Place the ball with the nylon pieces on to the LED (3) . Place the button cell in between the welding rods. Take care the polarity is correct!

