SCHOOL DESK
INSTRUCTIONS
Overview
What you need
Safety measures
Cutting the pieces
Building the table legs
Placing the table top
Overview

This model can be adjusted in height and size to serve as a school table or regular table tennis table. The materials are ideal for indoor use.

It has been tested in South Africa and Ghana.

**ADVANTAGES**
- Adjustable / dual-use design
- Modular table: storable and easily transportable
- Relatively affordable

**DISADVANTAGES**
- Difficult to build
- Not suitable for wheelchair users
- Longer construction time

### PROFESSIONAL CARPENTER
3 DAYS (APPROXIMATELY 6 HOURS PER DAY)

### 2 NON-PROFESSIONAL CARPENTERS
7 DAYS

225 € in South Africa
99 € in Ghana

Labour included
What you need

MATERIAL

<table>
<thead>
<tr>
<th>Description</th>
<th>Picture</th>
<th>Size</th>
<th>Quantity</th>
<th>Ref</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wooden strips</td>
<td></td>
<td>250x8x3cm</td>
<td>8</td>
<td>t1</td>
</tr>
<tr>
<td>Wooden strips</td>
<td></td>
<td>260x5x1.5cm</td>
<td>4</td>
<td>t2</td>
</tr>
<tr>
<td>Wooden strips</td>
<td></td>
<td>220x3x2cm</td>
<td>14</td>
<td>t3</td>
</tr>
<tr>
<td>Wooden trunnion</td>
<td></td>
<td>1m x Ø 2cm</td>
<td>1</td>
<td>t4</td>
</tr>
<tr>
<td>Screws</td>
<td></td>
<td>60mm</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>Panels</td>
<td></td>
<td>150x100x3cm</td>
<td>4</td>
<td>a1</td>
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TOOLS

- Tape measure
- Bubble level
- Drill/Screwdriver
- Jigsaw or Saw
- Hammer
SAFETY MEASURES

• Opt for portable tools and machines with reduced weight

• Wear suitable handling gloves

• Organise the flow of goods in the workshop so that unnecessary or avoidable handling is avoided

• Where necessary, wear ear protection

• Have a safety kit at hand at the cutting or assembly workshops

• Keep supply materials as close as possible to the work area

• On site, give preference to handling by several people when no mechanised assistance is possible
1
CUTTING
THE PIECES

ITTF FOUNDATION

TABLES 4 ALL
# MATERIAL AND TOOLS TO PREPARE FOR STEP 1 TO 5

## MATERIAL

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## TOOLS

- Tape measure
- Bubble level
- Drill/Screwdriver
- Jigsaw
- Saw
- Hammer
Step 1

Prepare all the following pieces using the wooden strips t1, t2. Keep the all pieces you cut off for later.

**Piece A**
- x32 pieces
- 8 cm x 3 cm
- 57.6 cm
- Cut t1 in 32 pieces of 57.6 cm. Bevel and cut the piece at 11° at the bottom. On the top, measure 2 cm in width and 5 cm length and cut it. Repeat this step 32 times.

**Piece B**
- x16 pieces
- 65 cm
- 5 cm
- Cut t2 into 16 pieces of 65 cm. Use the drill to make holes of 2 cm diameter.

**Piece C**
- x24 pieces
- 70.25 cm
- 2 cm
- Cut t3 into 24 pieces of 70.25 cm.

**Piece D**
- x8 pieces
- 137 cm
- Cut t3 into 8 pieces of 137 cm.

**Piece E**
- x24 pieces
- 7 cm
- Cut t4 into 24 pieces of 7 cm.
Prepare all the following pieces using the panels a1.

**Piece F x16**
- 8 cm
- 5 cm
- 2.5 cm

Take a1 and cut 8x5x2.5 cm.

**Piece G x16**
- 8 cm
- 15 cm
- 2 cm

Take a1 and cut 15x8x2 cm.

**Piece H x8**
- 49 cm
- 21 cm
- 8 cm

Take a1 and cut 49x21x2 cm. Take the drill to make holes of 2 cm in diameter.

**Piece I x8**
- 8 cm
- 70.25 cm
- 2 cm

Take a1 and cut 70.25x8x2 cm.

**Piece J x4**
- 76.25 cm
- 137 cm
- 2 cm

Take a1 and cut 137x76.25x2 cm.
BUILDING THE TABLE LEGS
Assemble the individual parts by drilling them together according to the holes for the screws.

Rotate part G by adjusting it so that it forms a perfect joint between both of the 2 supports A.

If necessary bevel the parts G at approximately 28.8 cm from the ground.

Repeat this step 8 times.
3 ASSEMBLING THE TABLE TOP
**Step 4**

This model offers two different height adjustments.

Centre the piece.

Drill piece $H$ together with piece $I$ prepared in step 2. Then, insert the piece in the trestle. Repeat this step 8 times.

Insert 3 connectors (piece $E$, prepared in step 1) into the openings to hold it firmly together. Repeat this step 8 times.
MATERIAL AND TOOLS TO PREPARE FOR STEP 5 TO 7

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<th>Quantity</th>
<th>Piece</th>
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</thead>
<tbody>
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<td>Wooden strips</td>
<td><img src="image1.png" alt="Picture of wooden strips" /></td>
<td>70,25x3x2 cm</td>
<td>24</td>
<td>C</td>
</tr>
<tr>
<td>Wooden strips</td>
<td><img src="image2.png" alt="Picture of wooden strips" /></td>
<td>137x3x2 cm</td>
<td>8</td>
<td>D</td>
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<tr>
<td>Panels</td>
<td><img src="image3.png" alt="Picture of panels" /></td>
<td>137x76.25x2 cm</td>
<td>4</td>
<td>J</td>
</tr>
</tbody>
</table>

TOOLS

- Tape measure
- Bubble level
- Drill/Screwdriver
- Jigsaw
- Saw
- Hammer
Take the four panels. Assemble the individual parts on top and then drill according to the holes for the screws. Repeat this step 4 times.

Assemble the table with the results from steps 4 and 5. Repeat this step 4 times.
Step 7

You have three options now:
1. Join the 4 table tops together using the 10 wooden connectors (E) and attach a net to play.
2. Keep the individual 4 tables and attach a net per table to play.
3. Use the individual 4 tables for school children in classes and adjust the height accordingly.
YOUR TABLE IS READY, ENJOY!
For more information, please get in touch with us via: info@foundation.itf.com.