6 in 1 Educational Solar Kit

Product Introduction:

Building your own robot, wheeler, windmill, plane, helicopter or airboat is great fun, but the expense and waste of replacing batteries is not. With this 6 in 1 solar kit, you can combine your science knowledge, practical ability and environmental protection by building 6 different models. This DIY Solar Kit is easy enough for children to build, and they will be amazed watching them work purely by solar power!

Tool You May Need:

- Diagonal Cutter

Mechanical Parts List:

<table>
<thead>
<tr>
<th></th>
<th>P1</th>
<th>P2</th>
<th>P3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Solar Panel</td>
<td>Gear With Shaft B</td>
<td>Gear With Shaft A</td>
</tr>
<tr>
<td>Qty</td>
<td>1</td>
<td>1</td>
<td>1</td>
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</tbody>
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<table>
<thead>
<tr>
<th></th>
<th>P4</th>
<th>P5</th>
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<tbody>
<tr>
<td></td>
<td>Adhesive Sponge</td>
<td>Motor</td>
</tr>
<tr>
<td>Qty</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
Cut up the plastic parts in succession as shown.
Gear Box A Assembly:

**Parts Required**

- P3
- P5
- D 20
- D 21

**Step 1**

- P3
- D 20

**Step 2**

- P5

**Step 3**

- D 21

**Step 4**

*Finished Product!*
Gear Box B Assembly:

**Parts Required**

- P2
- P5
- D20
- D21

**Steps**

1. Assemble P2 and D20.
2. Insert P5 into the assembly.
3. Attach D21 to the completed assembly.
4. Finished Product!
Solar Module Assembly:

Parts Required

STEP 1

STEP 2

STEP 3

STEP 4

Finished Product!

⚠️ Install as the triangle shows.
How To Work The Gear Box:

Parts Required

- Gear Box
- Solar Module

**STEP 1**
Twist stripped wires:

**STEP 2**

- Correct method
- Incorrect methods

**STEP 3**

GEAR BOX  CONNECT  SOLAR MODULE

**STEP 4**

Finished Product!
Do not touch the solar panel or the surface of the motor during or after operation under strong sunlight.

Give the unit time to cool down after use, otherwise you may burn yourself.
Solar Wheeler

Parts Required

Solar Module
Gear Box A
B 4
B 12
B 13
B 14

STEP 1

B 14

Gear Box A

B 14

STEP 2

B 12

B 13
**STEP 3**

Solar Module

**STEP 4**

GEAR BOX | CONNECT | SOLAR MODULE

**STEP 5**

Finished Product!

**WARNING!**

Do not touch the solar panel or the surface of the motor during or after operation under strong sunlight.

Give the unit time to cool down after use, otherwise you may burn yourself.
Do not touch the solar panel or the surface of the motor during or after operation under strong sunlight.

Give the unit time to cool down after use, otherwise you may burn yourself.
STEP 3
GEAR BOX  CONNECT  SOLAR MODULE

STEP 4
How to play

(1) Insert coin

(2) Adjust solar module to balance the lever

STEP 5
Finished Product!

WARNING!
Do not touch the solar panel or the surface of the motor during or after operation under strong sunlight.

Give the unit time to cool down after use, otherwise you may burn yourself.
**How to play**

1. Insert coin

- **Adjust solar module to balance the lever**

**Finished Product!**

**WARNING!**

Do not touch the solar panel or the surface of the motor during or after operation under strong sunlight.

Give the unit time to cool down after use, otherwise you may burn yourself.
Solar Airboat

Parts Required

- Solar Module
- Gear Box B
- A1 x4
- C19
- A3
- B4
- B2

STEP 1

- A1 x4
- C19

STEP 2

- Solar Module
- B4
- A3
- B2

STEP 3

- Gear Box
- Connect
- Solar Module

STEP 4

Finished Product!

⚠️ WARNING!

Do not touch the solar panel or the surface of the motor during or after operation under strong sunlight.

Give the unit time to cool down after use, otherwise you may burn yourself.
1. Take outside under direct sunlight. Best results are obtained when operated on sunny day.
2. For indoor fun, use a 100 watt halogen light. The product will not run on a cloudy day, shaded locations, indirect sunlight, or under a fluorescent light.