Playing games is an integral part of every person’s life. The game is very important for growing up the child, because children fully concentrate to it, they have a great joy during the play and their approach to the game is free and spontaneous.

During the play, a child often uses some toy, which should fulfill a certain standards. It should be easy to use, have visual and aesthetic quality, be properly adjusted for the child’s hand, have vivid colors and its construction should be easily understandable. In addition to that, every toy should be firm and well shaped, so the child could not hurt itself. Glues and paints should be stable, without smell and above all harmless substances. Toys designed for the younger kids should be larger and simpler, because small children have limited skills of toy manipulation. The composite toys are suitable for the older children. The most important quality of toy for any child’s age is its well-planned function.

These wooden toys can be covered with lacquer or painted in any color. They are ecologically acceptable, give an impression of warmth and children are glad to play with them.

This is the plan for manufacturing a simple automobile toy for your child. The whole structure can be made at home for a relatively short time. You can use various types of wood, but we recommend birch, beech, maple or alder.

If you choose to protect the surface of your project with wood paint or lacquer, be careful to use only substances that are safe and harmless for your child.

Carefully make the parts of the plane by the measurements given on particular pictures. The measurements are given in millimeters, while the measurements given in inches are in brakes (1 inch = 25.4 mm).

After making all the parts of the automobile, you should join them with glue. Be careful with dosage of glue, because it could come out from the holes and smear the surface of an object.
Parts list

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Title</th>
<th>Material</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Body</td>
<td>Wood</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Side</td>
<td>Wood</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>Wheel Axle</td>
<td>Wood</td>
<td>5</td>
</tr>
<tr>
<td>4</td>
<td>Tyre</td>
<td>Wood</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>Driver</td>
<td>Wood</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Dowel</td>
<td>Wood</td>
<td>8</td>
</tr>
<tr>
<td>7</td>
<td>Headlamp</td>
<td>Wood</td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>Back Tyre</td>
<td>Wood</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>Wood Screw B4x25mm</td>
<td>Steel</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>Plug</td>
<td>Wood</td>
<td>1</td>
</tr>
</tbody>
</table>
2. Side
Mark and drill holes during assemblage
3. Wheel Axle
4. Tyre

SECTION A-A

R (0,08)

R (0,02) Typ

1 (0,04)

6 (0,24)

4 (0,16)

15 (0,59)

∅ (0,35)

28 (1,10)

∅ (1,10)
5. Driver

Dimensions:
- 33 (1,30)
- 7.5 (0,30)
- 7.5 (0,29)
- 8.0 (0,31)
- R (0,28)
- 2.0 (0,08)
- 2.4 (0,04)
- 13 (0,51)
- R (0,04)

Project from WWW.CRAFTSMANSPACE.COM
6. Dowel
7. Headlamp
8. Back Tyre
Standard Parts

9. Wood Screw D4 x 25mm

Standard Parts
Assemblage Instructions

1. Put the Dowel Centers into the holes on the Side (item 2) and then mark the spots for the holes on the Body (item 1). Drill the holes on spots on the body (item 1) that you marked.

2. Mount Side (item 2) on the Body (item 1) using Dowels (items 6) and wait until glue is dry.
3. Attach the Headlamps (item 7) on the Body (item 1) with glue.
4. Then mount the Tyre (item 4) by using Wheel Axle (item 3) and wait until glue is dry.

5. Attach the figurine of a Driver (item 5) on the Body (item 1) by using Wood Screw D4x25mm (item 9). Attach the Plug (item 10) with glue.