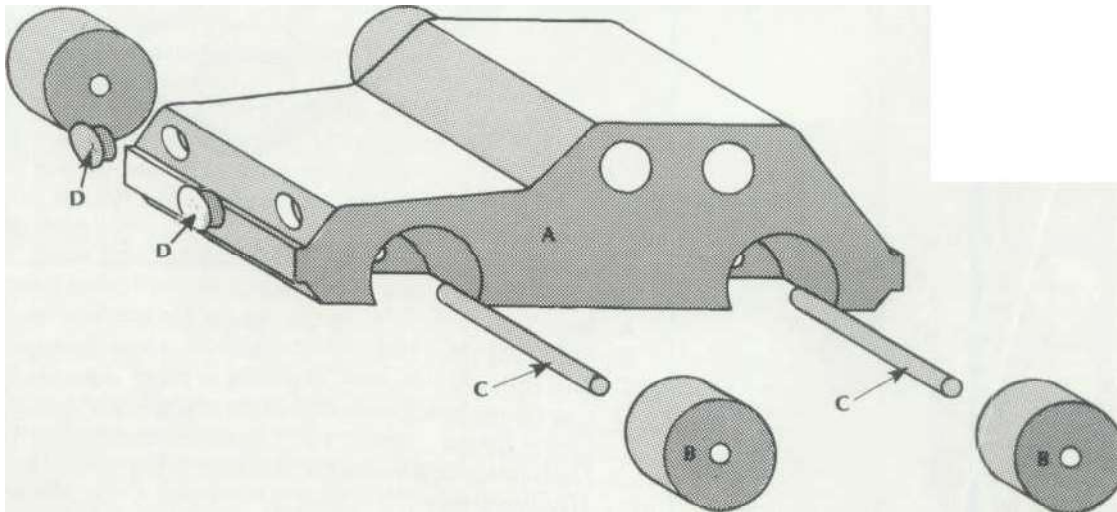


TOY CARS

Remember how those toy cars you played with as a child never wore out? Now you can make those sturdy, all-wood toys again by following these simple plans. While

specific features vary, each of these toy cars is made in the same fashion. Naturally, you might want to experiment with the designs to suit your own tastes.



1. Make a cardboard template of the car design. Trace the pattern on a 4 x 4.
2. Cut the desired car body shape (A) with a bandsaw.
3. Drill the various holes for the windows, wheel wells, headlights, and axles. Use a Forstner bit to cut the wheel wells.
4. Using a hole saw, cut four wheels (B) to the dimensions given out of 3/4" scrap stock. The hole saw will simultaneously cut the outside contour and mark the axle hole of the wheel. Drill the 1/4"-diameter axle holes. As an alternative, the wheels can also be turned on your lathe. Drill a 1/4"-diameter axle hole through the middle of the block before turning, then turn the cylinder and cut it into wheels.
5. Before assembling the car, power sand and file each of the individual pieces.
6. Finish sand the pieces with a fine sandpaper (100 grit or finer).
7. To assemble the car, rub parafin on the middle part of the axles (C) and slide them through the holes in the car body. Glue the wheels to the axle ends. Finally, glue the 1/2"-diameter dowel buttons into the headlight holes.
8. Check to make sure that the wheels and headlights cannot be removed by a child, then give the car a nontoxic finish.

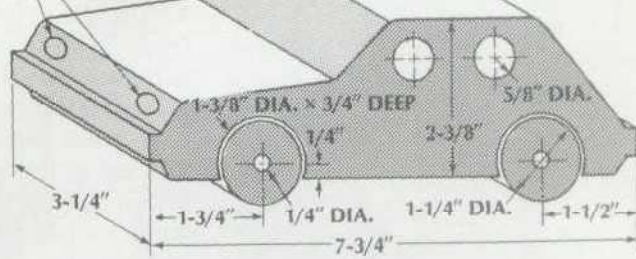
In the future use these guidelines and your imagination to design vans, buses, taxis, fire engines, and other toy vehicles.

LIST OF MATERIALS (Sedan)

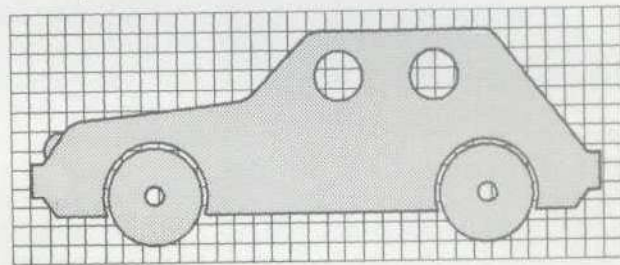
(finished dimensions in inches)

- | | |
|-------------------------|------------------------|
| A Body | 2-3/8 × 3-1/4 × 7-3/4 |
| B Wheels (4) | 1/4 dia. × 3/4 |
| C Axles (2) | 1/4 dia. × 3-1/4 |
| D Headlights (2) | 1/2-dia. dowel buttons |

NOTE: 1/2"-DIA. DOWEL BUTTONS FOR HEADLIGHTS

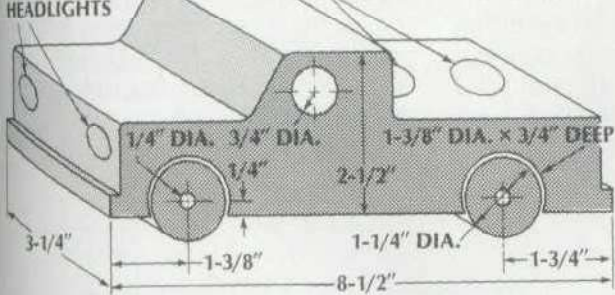


ONE SQUARE = 1/4"

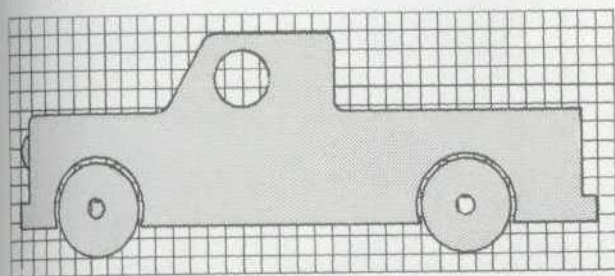


NOTE: 1/2"-DIA. DOWEL
BUTTONS FOR
HEADLIGHTS

NOTE: 1" DIA. x 1" DEEP



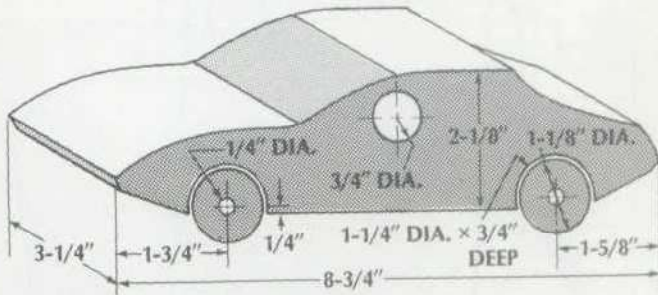
ONE SQUARE = 1/4"



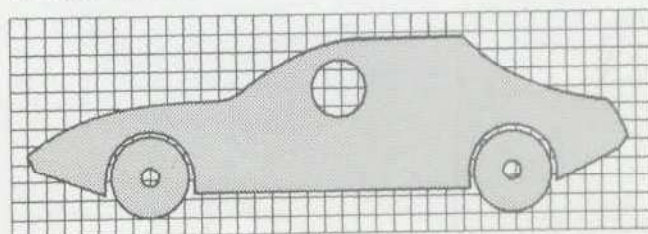
LIST OF MATERIALS (Pickup Truck)

(finished dimensions in inches)

- | | |
|-------------------------|------------------------|
| A Body | 2-1/2 x 3-1/4 x 8-1/2 |
| B Wheels (4) | 1-1/4 dia. x 3/4 |
| C Axles (2) | 1/4 dia. x 3-1/4 |
| D Headlights (2) | 1/2-dia. dowel buttons |



ONE SQUARE = 1/4"



LIST OF MATERIALS (Sports Car)

(finished dimensions in inches)

- | | |
|---------------------|-----------------------|
| A Body | 2-1/8 x 3-1/4 x 8-3/4 |
| B Wheels (4) | 1-1/8 dia. x 3/4 |
| C Axles (2) | 1/4 dia. x 3-1/4 |

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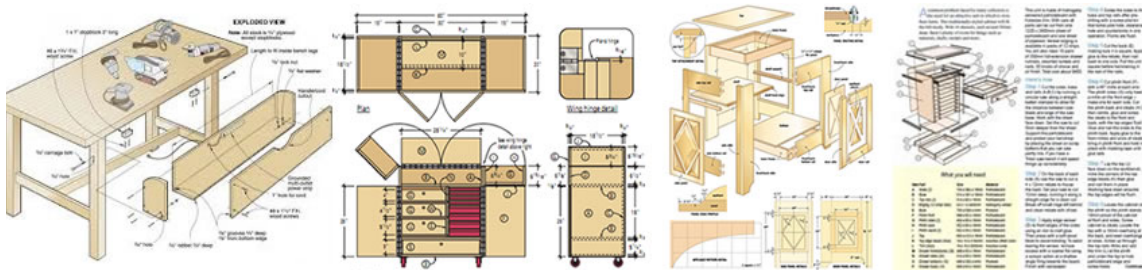
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