

# The Spaceship

Sometime in the next year, the world's first true spaceship — the Space Shuttle — will lift off on its maiden voyage. By the mid 1980's, four shuttles will ferry dozens of astronauts between earth and outer space, making spaceflight as common to our children as air travel is to us. Here is a toy Space Shuttle for those young people who will one day follow in these early starsteps:

### Plan of Procedure

1. Cut all pieces to the proper size and shape, using the patterns provided. Turn the Rockets (E), External Fuel Tank (F), and the Booster Rockets (G) on a lathe.

2. Round the leading edge and taper the trailing edge of the Vertical Stabilizer (A) and the Wings (C), using a rasp or sander. Areas



Tapering the Vertical Stabilizer (A) with a belt sander.

that join to other pieces should not be rounded or tapered. Round and taper only the areas that are shaded on the patterns. Also, round the Rocket Pods (D).

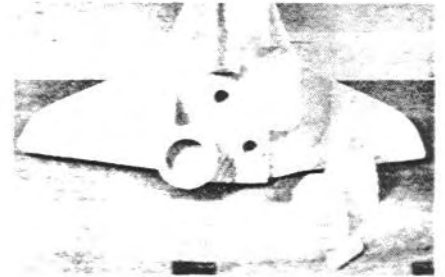


Round the Rocket Pods (D) and the nose of the Shuttle as shown.

3. Glue the Fuselage Sides (B) to either side of the Vertical Stabilizer (A), taking care that the dados for the wings line up. Round the nose of the fuselage with a rasp or sander. Glue the Wings (C) in place. Glue the Rocket Pods (D) to either side of the fuselage.

4. Drill a 3/8" hole 1/2" deep in the narrow end of the three Rockets (F). Using the template provided with the patterns, drill three more 3/8" holes 1/2" deep in the rear of

the shuttle assembly. Glue Pegs (H) in the 3/8" holes in the Rockets (F), then glue the other end of the pegs in the holes in the rear of the shuttle assembly. When mounted, rockets



The Rockets (E) are pegged to the back of the Shuttle.

should clear the vertical stabilizer and the bottom edge of the shuttle by at least 1/4".

5. Drill two 3/8" holes 1/2" deep, 4" and 9" from the bottom (round end) of the External Fuel Tank (F). Rotate the tank 90° and drill two more holes, the same distance from the bottom. Rotate the tank 90° again and drill two more. Drill two 3/8" holes 1/2" deep in each of the Booster Rockets (G), 8" and 12" from the bottom. Glue Pegs (H) in the holes in the booster rockets, then sand the protruding ends of

