

Moon Buggy

Materials:

- One egg box (for 12 eggs)
- Two cardboard tubes (kitchen roll tubes are ideal), one just small enough to fit inside the other.
- Corrugated cardboard (enough to cut out 24 circles to make the wheels).
- Small empty soap box.
- Thin card (for step ladder etc.)
- Two plastic domes (coffee cup covers or packing from fruit boxes)
- Thick tinfoil (from yoghurt pots)
- Elmer's Glue All (or similar) and Glue brush
- Hot glue gun.
- Masking tape, scissors, black felt tip pen and glass paper.
- Florist's stem wire and wire cutters
- Acrylic or poster paints, and brushes.
- Additional decorative items as required.



The Moon Buggy is built upon an egg box and has wheels that really turn. Small boxes were fastened to the top and the plastic domes for the astronauts were originally coffee cup covers from the cafe! Ladders were cut out of thin card and wheel covers made from yoghurt pot tops, bottle tops and ping-pong balls. Gluing a strip of single sided corrugated cardboard around the wheels would make tyre treads. The whole buggy was painted then details such as a crew entrance, paper flags and antennae were attached! It was loads of fun building this!



How to Make Wheels That Work.

Making wheels for the buggy.

1. Cut six discs from corrugated cardboard and lightly sandpaper the disc surfaces to improve sticking.
2. Glue one side of each disc and place neatly one on top of another as shown to make a wheel. Press under some books, until the glue is dry. When dry, a circle of white paper glued on the front and on the back, hides any printing and prepares it for painting.
3. Cut two equal length tubes from the fatter tube, and tape both to the egg box as shown in step 3. Remember to leave enough extra at the ends, so that the wheels, when fitted, will clear the sides of the egg box. Space the tubes far enough apart so that when all the wheels are in place, they will not touch each other.
4. Cut into each end of the thinner tubes to make tabs as shown. The length between the tabs should be slightly longer than the length of the previously fixed tubes, so that the wheels will turn freely.
5. The tabs at the end of one of the thinner tubes are flattened out and hot-glued to the exact centre of a wheel as shown.
6. Once the tube is firmly fixed to the wheel...
7. Thread the thinner tube through the fatter tube and open out the tabs at the end.
8. Carefully hot glue the tabs, and press firmly onto the second wheel at the exact centre. Repeat these steps to make the second pair of wheels.



Step 1



Step 2



Step 3



Step 4



Step 5



Step 6



Step 7



Step 8

