

## Balloon Rockets

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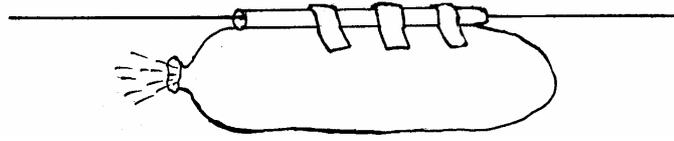
### Materials: per child:

- ♦ balloon
- ♦ drinking straw
- ♦ masking tape

**Optional:** length of string  
(as the rocket can go as far as across the room, you may prefer to make one demonstration model which you set up to show the children how it works, and/or a couple for them to try out, then let the children take their rockets home and set up their own string.)

### Method:

- ♦ Slightly inflate the balloon, then attach it to the drinking straw with a piece of masking tape (not too large a piece, but not so small that it doesn't stick at all).
- ♦ Blow the balloon up to make sure it is going to stay attached to the straw.
- ♦ If the balloon comes off when inflated, try attaching it with the masking tape rolled into a tube, sticky side out so it works like double-sided sticky tape, one side attached along the underside of the straw, and the other to the top of the balloon. It can be a matter of trial and error to get the balloon to stick to the straw.
- ♦ Tie the string to a door handle or something similar at one end.
- ♦ Thread the other end of the string through the straw so that you have the open end of the balloon at the end of the string and the round end of the balloon facing the way the balloon will run.
- ♦ Tie the second end of the string to a chair, window latch etc.
- ♦ Carefully blow up the balloon and seal the air in with thumb and finger until you are ready to let go; CAUTION: this is where the balloon and straw can easily come apart!
- ♦ When ready, let the end of the balloon go and watch the balloon zoom along the string until it runs out of air.



## Hat Peg Windmills

*Windmills with a difference*

Frontier Services have provided this very popular craft at KUCA Camp Out for the past few years. It's a variation on the old favourite paper windmill on a stick.

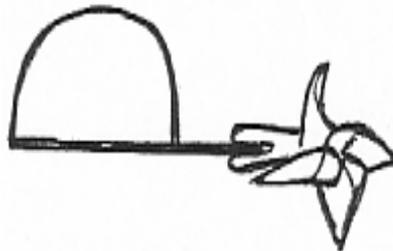
### You will need:

per child:

- 1 square of coloured paper (see pattern – enlarge to approx 18 cm square and photocopy)
- 1 drawing pin
- 1 wooden "dolly" clothes peg
- scissors

### Method:

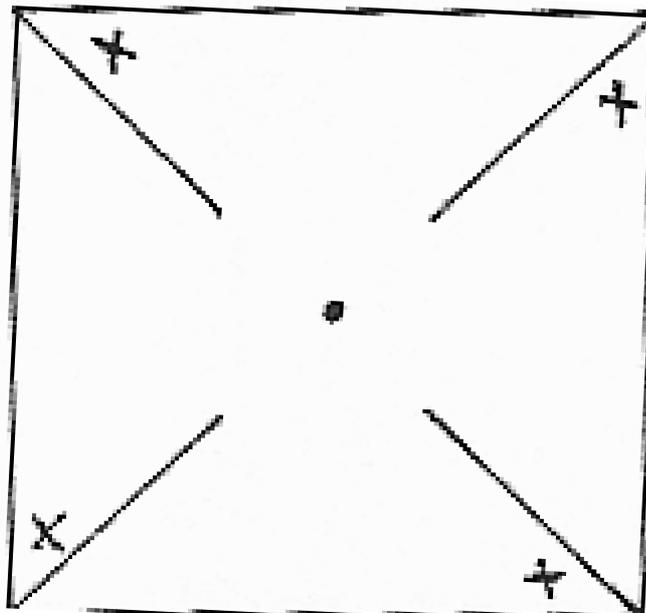
- Cut along diagonals as marked.
- Bend over each corner piece marked with a cross and secure with the drawing pin in the centre.
- Attach pin and windmill to the flat top of the dolly peg.
- The peg can then be attached to the brim of the child's hat, and will twirl around as he/she walks along.



Thanks to Frontier Services for permission to share this idea.

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**Square: Cut on diagonal lines  
Fold corners marked with cross**



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