



Brainfoo - Matchstick Mortar

Random stimulation
for the brain

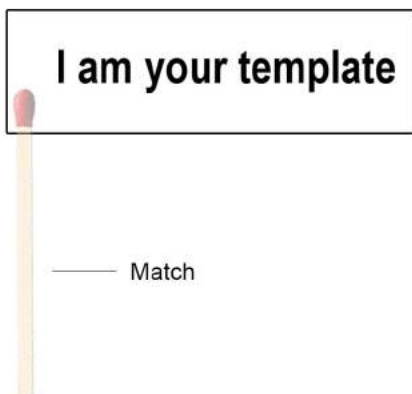
- 1 Cut outside the lines for the template
- 2 Draw around the template with a pen onto the kitchen foil (good quality foil works best), then cut it out
- 3 Place the match at the start of the foil strip with the head just inside the foil
- 4 Roll tightly all the way to the top keeping the foil parallel at all times, do not creep further down onto the match stick as you roll.
- 5 Twist the foil in the same direction as the roll you just made
- 6 Fold twisted foil back on itself so that you have folded it in half and pinch hard
- 7 Heat the foil near the match head slowly with gentle heat to launch

TIPS

If the foil explodes with a bang but no real distance is obtained the roll was too tight or the foil had crept down onto the wooden shaft of the match too far.

If there was little bang and a small launch distance the foil was loose or too high above the match head.

If you think you may have rolled the match too tight or too far down the match stick try wiggling the foil mortar head slightly prior to launch.



WARNING

Please be safe and sensible. Matches may seem mundane but where there are flames, heat or pressure there is potential for harm. The aluminium foil casings get very hot and travel very fast, this makes them hazardous to flammable things inside or outside the home. The pressure generated may also result in flying particles of foil or match on some occasions, for that reason eye protection should be worn. If you are under 18 do not attempt this project without supervision.