

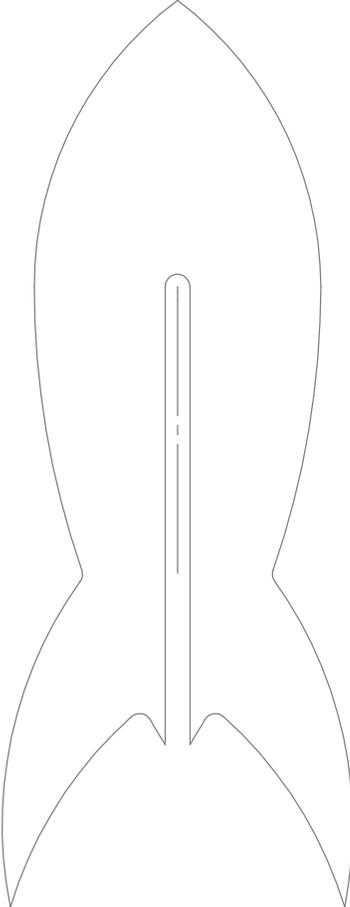
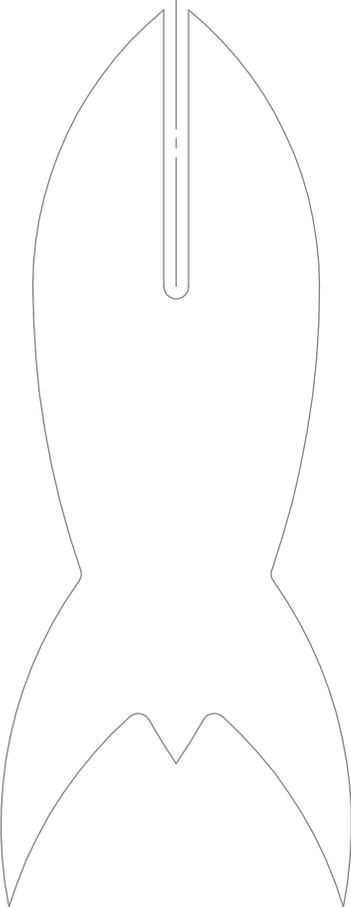
IT'S PROJECT DAY!

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Half-Lap Rocket Project

6/15/14

Print these rocket stencils out for a fun afternoon project.



Half-Lap Rocket Project

Step-by-step instructions

1. Print this page!
2. Cut out the shapes. Make sure the cutouts are as clean as possible. They will become a stencil in the next step. If it helps, you could glue them to construction paper or cardstock first to make them more rigid.
3. Trace the stencils onto your material. Remember, the slots won't work unless the material and the slots are both about 1/8in thick. If your material is a different size, adjust the slot width to match. Make sure to leave some room around the tracings so your cuts in the next steps won't start right next to the finished cutout.
4. Use a coping saw to cut between the two tracings and cut away most of the excess material. The idea is not to start cutting on the lines of the tracings, but rather to leave room so your cuts aren't starting right next to the cutout in the next steps.
5. Using a drill, drill a 1/8in hole at the end of each of the two slots, this will make it easier to finish them. If you don't have a drill available, you can use a back and forth method to clear the material from the end of the slot in step 7.
6. Make your detailed cuts by cutting lines from the edges of your material to the sharp inside corners. Remember, coping saws can cut contours just fine, but it won't cut hard angles easily and could even break your blade. Make multiple cuts to take the excess material away in wedges or strips.
7. Now that the exterior of the tracing is gone, cut the grooves. If you have a piece of thick scrap with a straight edge, you can clamp it to your cutout with the edge right on the line of the groove so as you cut, it will make sure the blade doesn't go too far astray if you lose your line.
8. With the two halves of the rockets done, you can sand the edges smooth, put them together with a little glue in between, and you're done!

If you'd like to add some finishing touches, you can paint them with a crazy design or add some LEDs for a more retro high-tech effect.