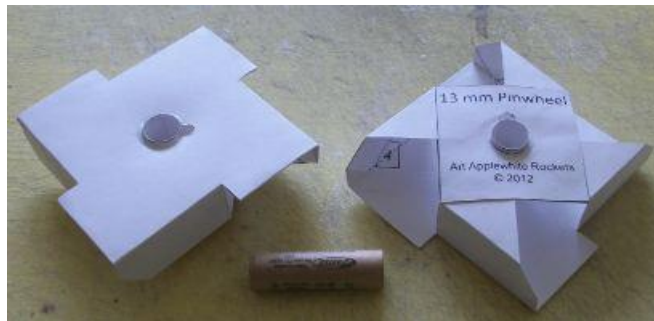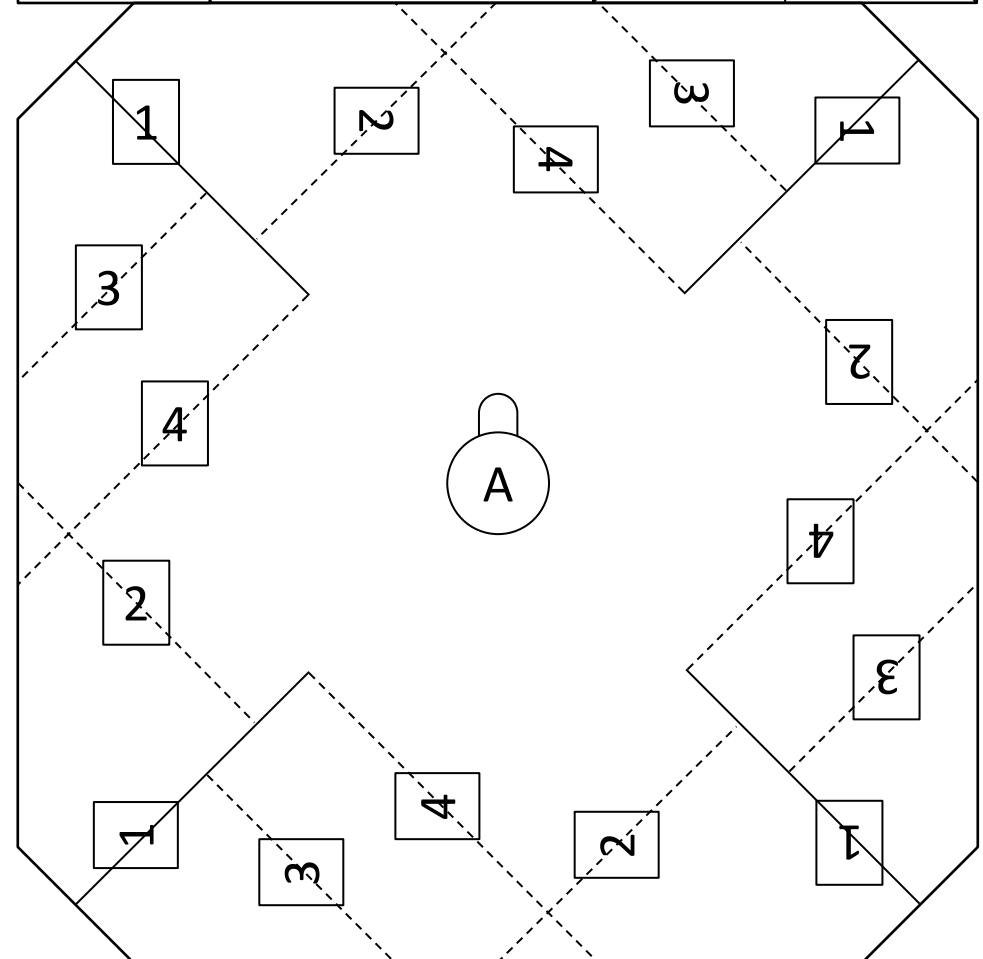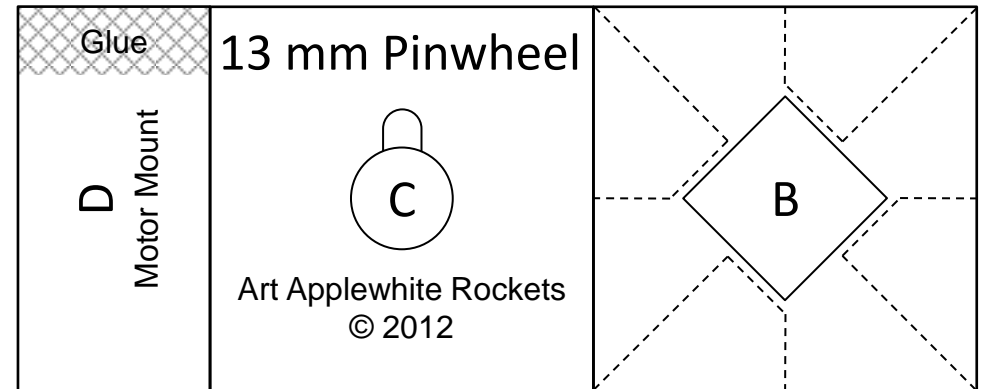# 13 mm Pinwheel

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1. Print on 110 lb or heavier cardstock with no scaling.
2. Cut out the 4 parts (A, B, C & D) on the solid lines
3. Cut out the center hole in parts A, B & C.
4. Score all the dash lines (2, 3 & 4) on part A with a ruler and a (dried out) ball point pen.
5. On part A, cut on the 4 solid lines marked 1.
6. Fold the dashed lines, marked 2, over (toward the printed side) and glue flat with white (Elmer's) glue.
7. Fold over the dashed lines marked 3 & 4 but do not glue.
8. Glue the 4 tips of part A to part B. The tips go inside the dashed outlines on part B.
9. Glue part C over the top of part B. Make sure to line up the launch rod holes between part A & C.
10. Roll part D (Motor Mount) into a 13 mm tube and glue. This best done by wrapping it around a 13 mm mini motor.
11. Insert the Motor Mount into the center holes in parts A, B & C. The Motor Mount should stick out 1/8 inch on each end.
12. Glue the Motor Mount to the top and bottom.
13. Use 1/2A3-2T, A3-4T, A10-0T, A10-3T or A10-PT motors.
14. Wrap 3 layer of masking tape, ½" wide, at the nozzle end of the motor to form a thrust ring.
15. Wrap masking tape around the motor so that it fits snuggly enough not to fall out of the Motor Mount.

Glue

D Motor Mount

13 mm Pinwheel

C

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B

A