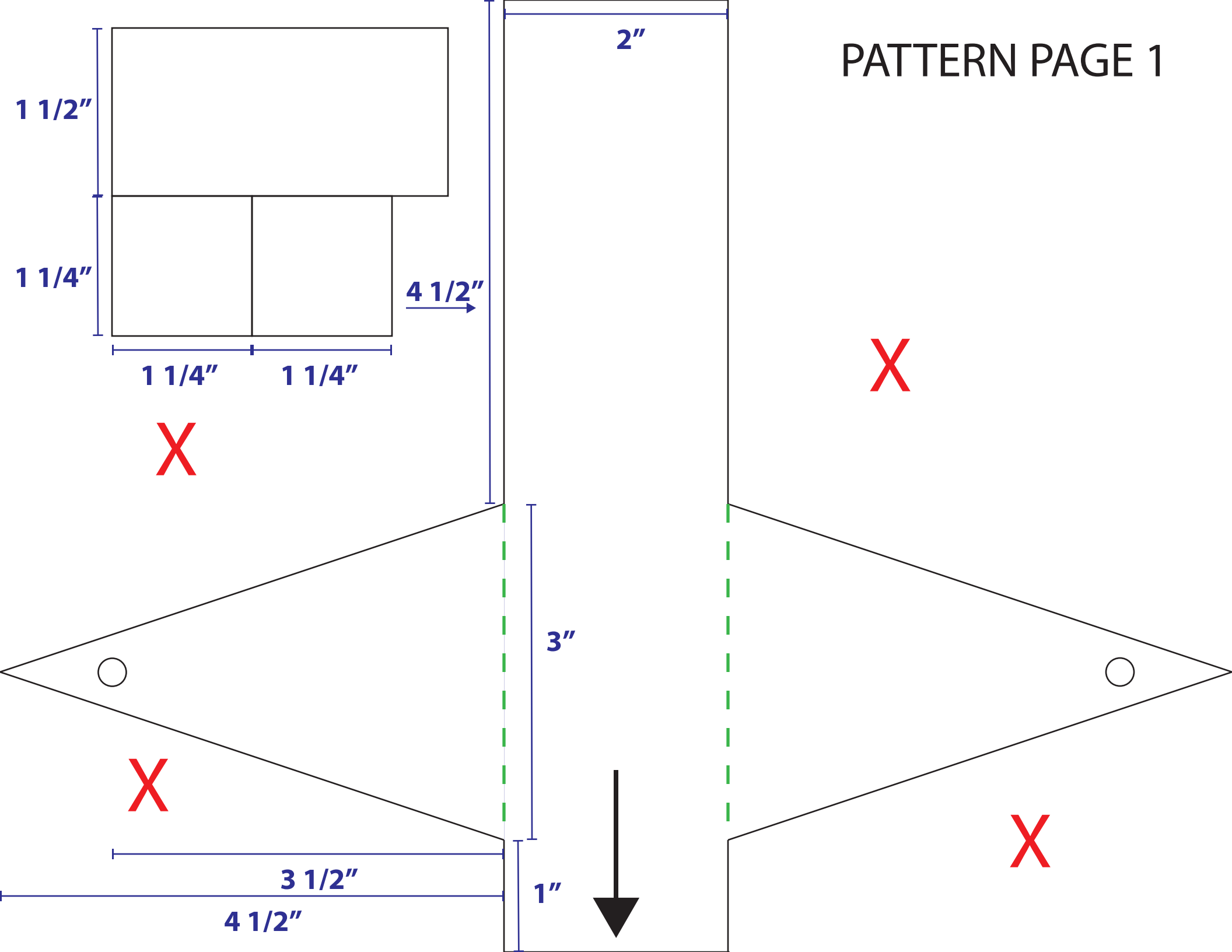
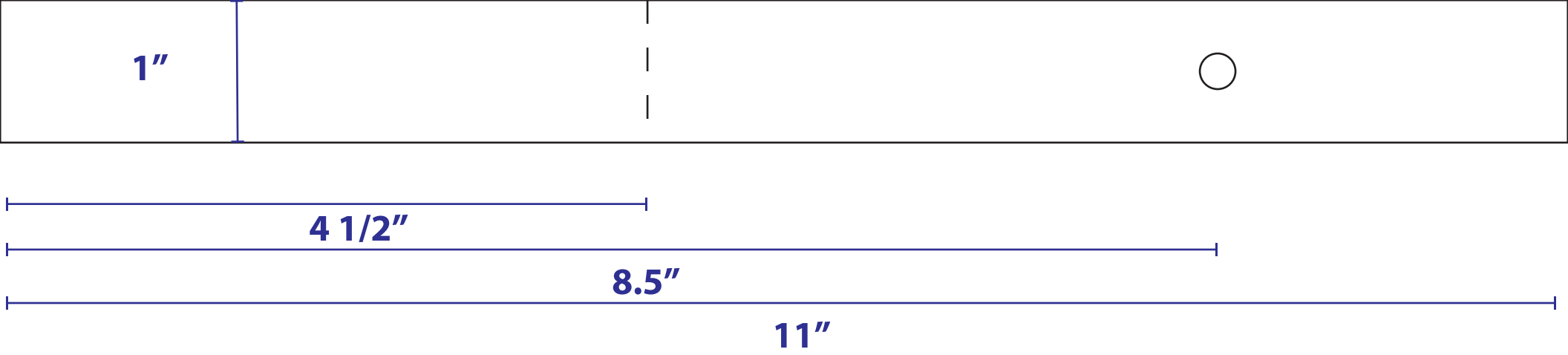
PATTERN PAGE 1

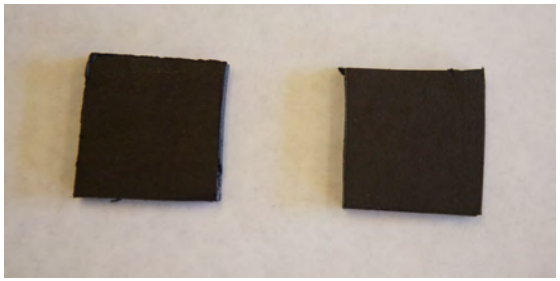


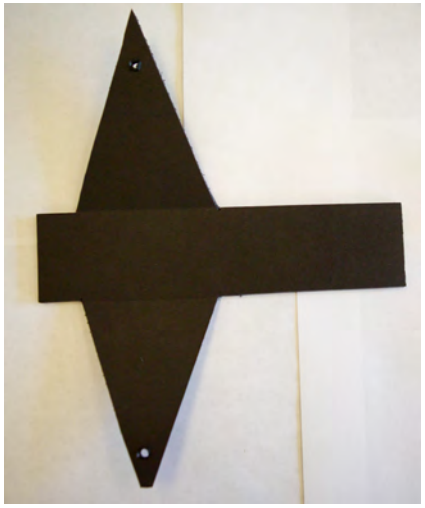


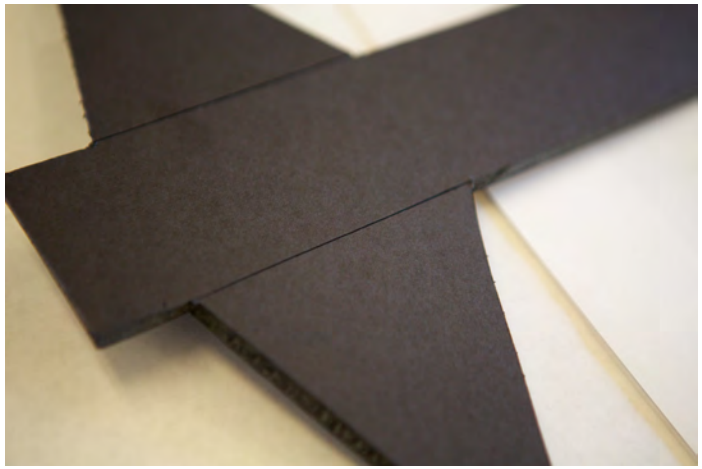
X

PATTERN PAGE 2

1. Cut the patterns out. You don't need the sections marked with a red X.







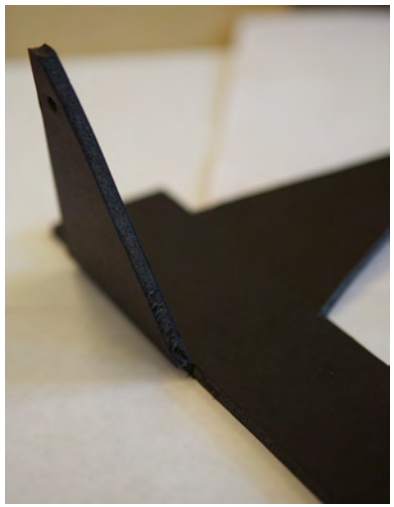
2. Use the patterns to cut out foamcore pieces.

Bend along the black dotted lines — — — — — —

And don't cut all the way through on the green dotted lines! Leave one layer of paper! — — — — — —

Cut holes (with a pointy object like an awl, chopstick or pen/pencil) where there are circles.

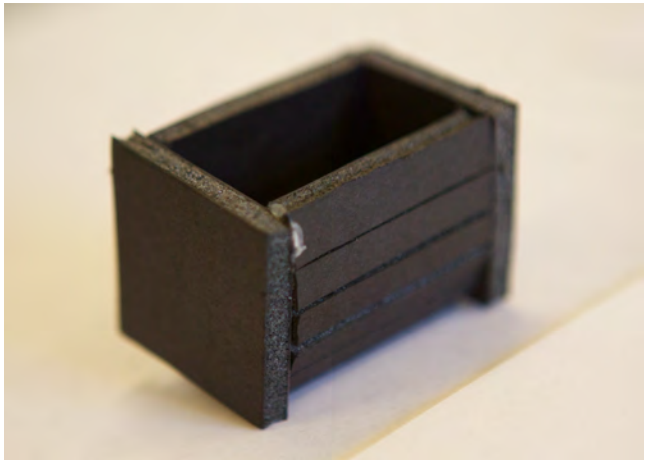
3. Bend the "wings" of the catapult up. We'll glue these in a little bit to make sure they stay in place.



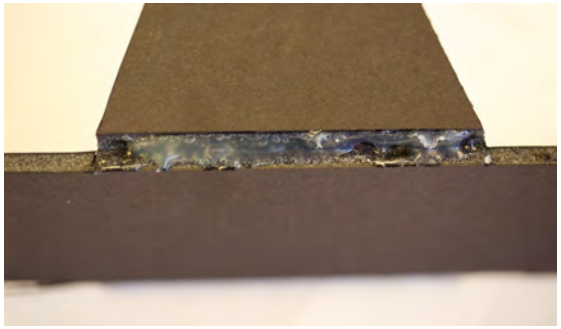
4. Cut a bunch of slices into the 3" by 1.5" rectangular piece. Don't cut all the way through, leave one layer of paper untouched!

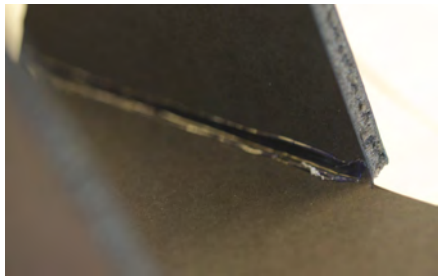
5. Bend that foamcore piece into a "U" shape to the make launch cup of the catapult.

6. Hot glue the small squares onto the ends to complete the launch cup.



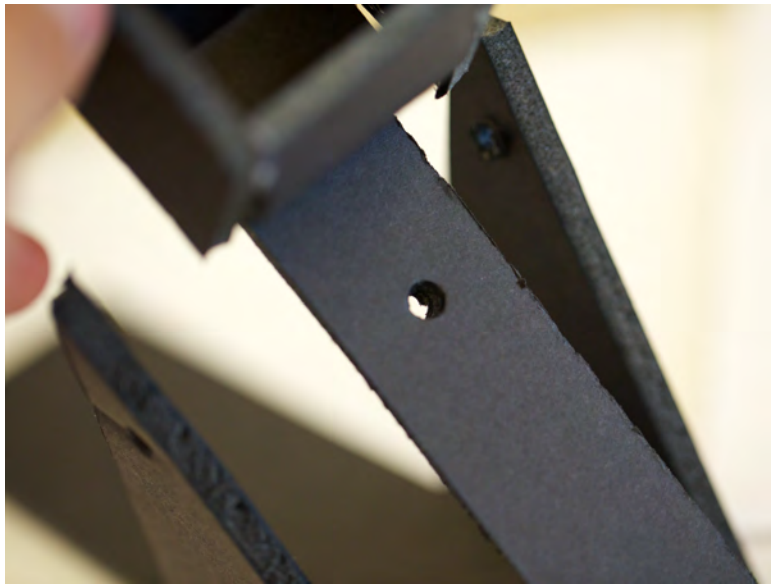
7. Hold the wings upright. You may need to put some tape on the wings to hold them while you glue.



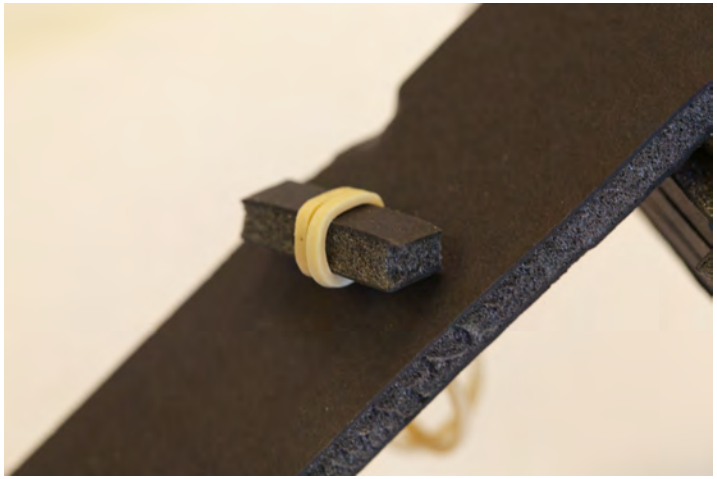


8. Hot glue the corners of the wings on both the top and bottom of the bend. Let the hot glue dry and then apply another layer to better fill gaps underneath. The wings should stay up on their own when the glue has dried.

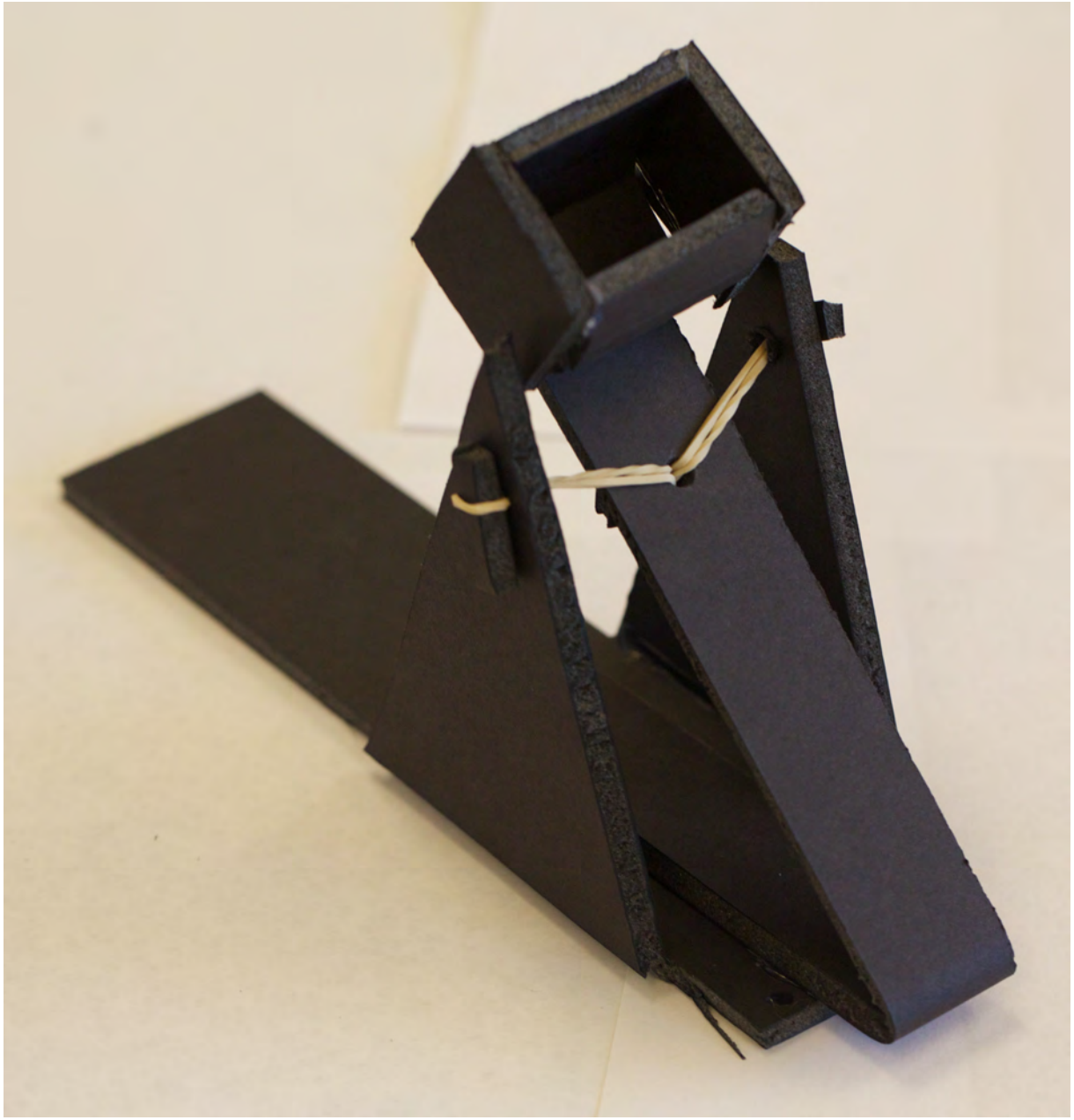
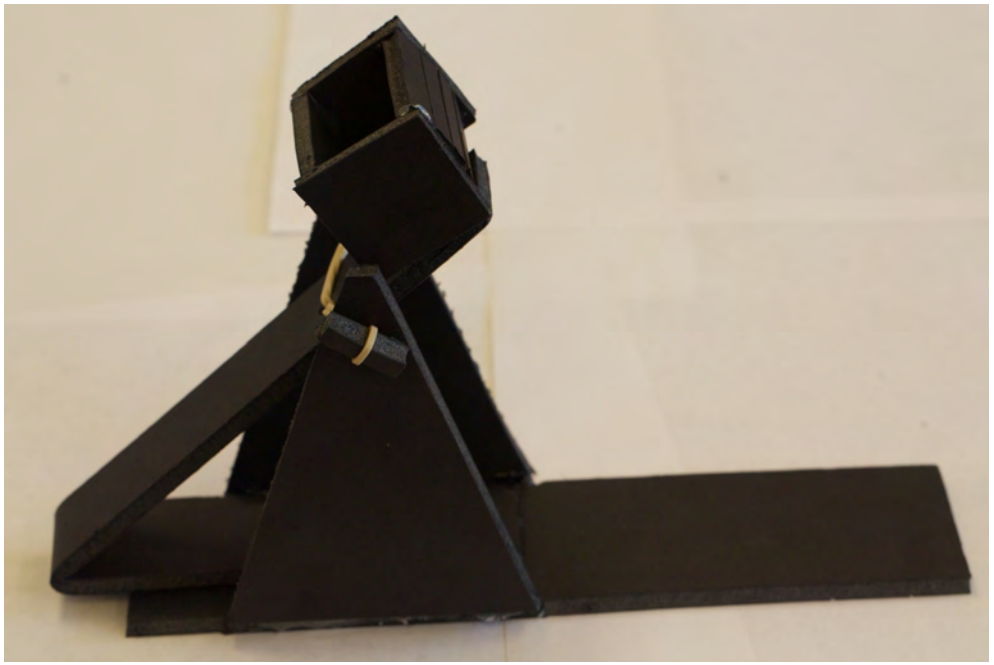
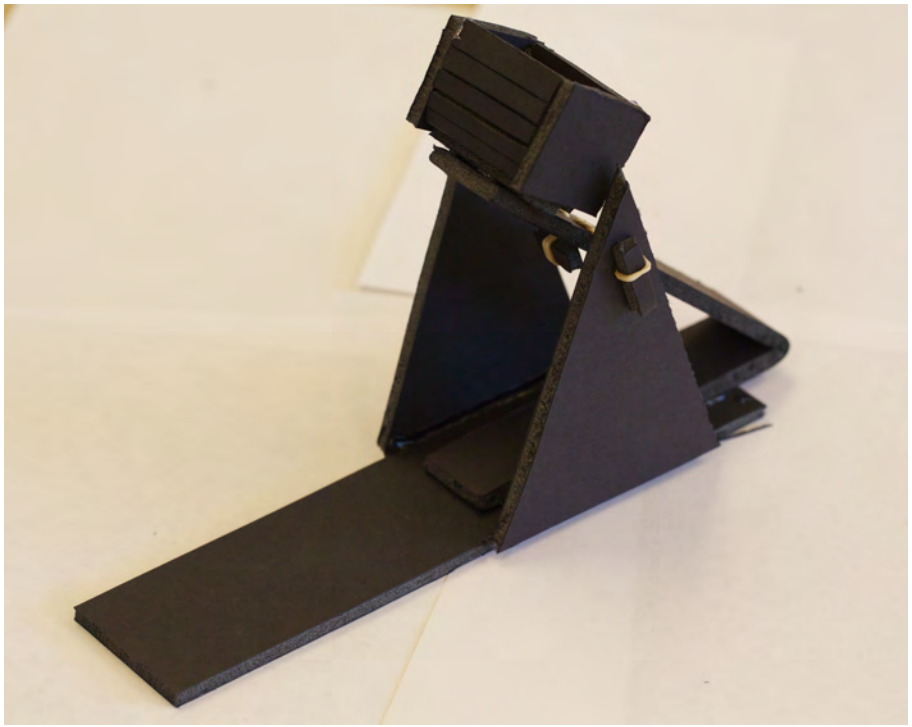
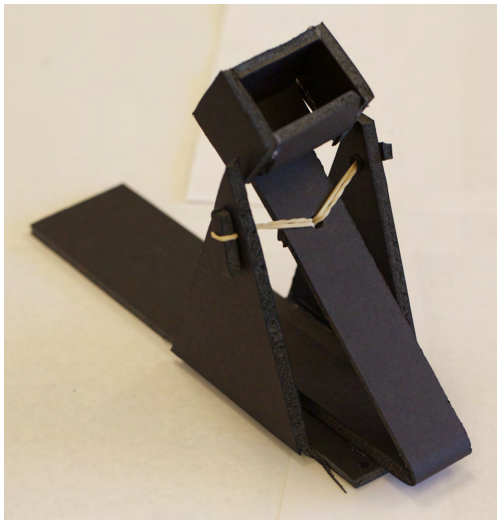
9. Glue the launch cup on the long, thin piece of foamcore just above the hole. Bend the long piece and glue the shoter end down onto the base of the catapult. Rememer, the shorter end of the catapult base is the front!



10. Double loop a rubber band and poke it through the hole on the thin piece of foamcore. This part can be a little frustrating, using a pencil might help!



11. Cut a small length of foamcore and use that to secure the rubber band.

12. Poke one loop through the hole in one of the wings and use a small length of foamcore to secure it. Repeat for the other loop on the other side.

13. Admire your catapult and have some fun! Notice anything that could be improved? Remember to use your powers for good and not evil!