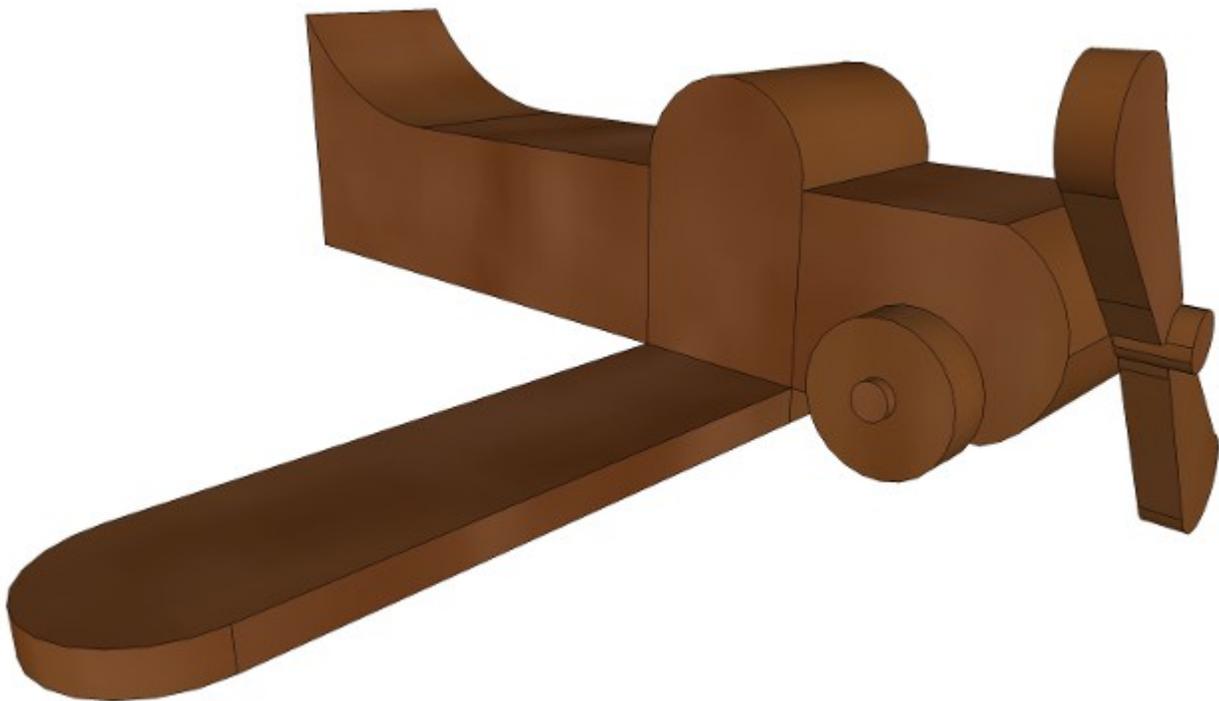


WWCH May 2022 Toy of the Month



Crop Duster



Instructions

Please remember to work safely.

This is one way to make the Crop Duster. You may have to adapt to the tooling you have available to you. Always use the tools and procedures that make the most sense to you.

Fuselage

1. Make a template from the attached full size pattern. 1/8" scrap or old file folders are a couple of materials you could use.
2. Need a stock of 8" long, by 2-1/2" wide, by 1-1/2" thick. It's designed to be made from a 2X4, but any sizable piece of stock will do.
3. See the WWCH Crop Duster Fuselage Profile View to see how to cut the pattern for the fuselage template.
4. I'm using a scroll saw. Use this or a band saw to cut just outside the template pattern lines for the Crop Duster.
5. Cut the actual Crop Duster Fuselage out of 2X4 or equivalent stock using the template as a guide.
6. Sand to the lines.
7. Round the edges with a sander or round over bit. Up to a 1/4" radius round over bit can be used for this step.

Wing Halves

1. Make a template from the attached full size pattern. 1/8" scrap or old file folders are a couple of materials you could use.
2. Need a stock of 5" long, by 1-1/2" wide, by 3/4" thick.
3. See the WWCH Crop Duster Half Wing Profile and Side Views to see how to cut the pattern for the Wing template.
4. I'm using a scroll saw. Use this or a band saw to cut just outside the template pattern lines for the Crop Duster Wing.
5. Cut the actual Crop Duster Wing out of 3/4" stock.
6. Sand to the lines.
7. Round the edges with a sander or round over bit. Up to a 1/4" radius round over bit can be used for this step.

Instructions (continued)

Propeller

1. Make a template from the attached full size pattern. 1/8" scrap or old file folders are a couple of materials you could use.
2. Need a stock of 4-1/2" long, by 1" wide, by 3/4" thick.
3. See the WWCH Crop Duster Propeller Profile View to see how to cut the pattern for the Wing template.
4. I'm using a scroll saw. Use this or a band saw to cut just outside the template pattern lines for the Crop Duster Propeller.
5. Cut the actual Crop Duster Propeller out of 3/4" stock.
6. Drill a 1/4" DIA hole to take the 7/32" DIA axle that will be attached to the Fuselage (see Assembly section).
7. Sand to the lines.
8. Round the edges with a sander or round over bit. Up to a 1/4" radius round over bit can be used for this step.

Wheels

1. Use 1" Wheels with 7/32" DIA holes to accept the 7/32" DIA axles.

Assembly

1. Attach the Wheels with axles on either side of the Fuselage at the designated point. A hammer should do the job.
2. Glue the two Wing Halves at the points shown on the fuselage.
3. Drill a 7/32" DIA hole in the front of the Fuselage, centered to take the axle for the Propeller. You may need to add a bit of CA glue to the axle end to make sure the Propeller axle stays fixed in the Fuselage (and the Propeller is free to rotate). Thread the axle through the Propeller and attach to the Fuselage. If done correctly, the Propeller should be attached and free to rotate.

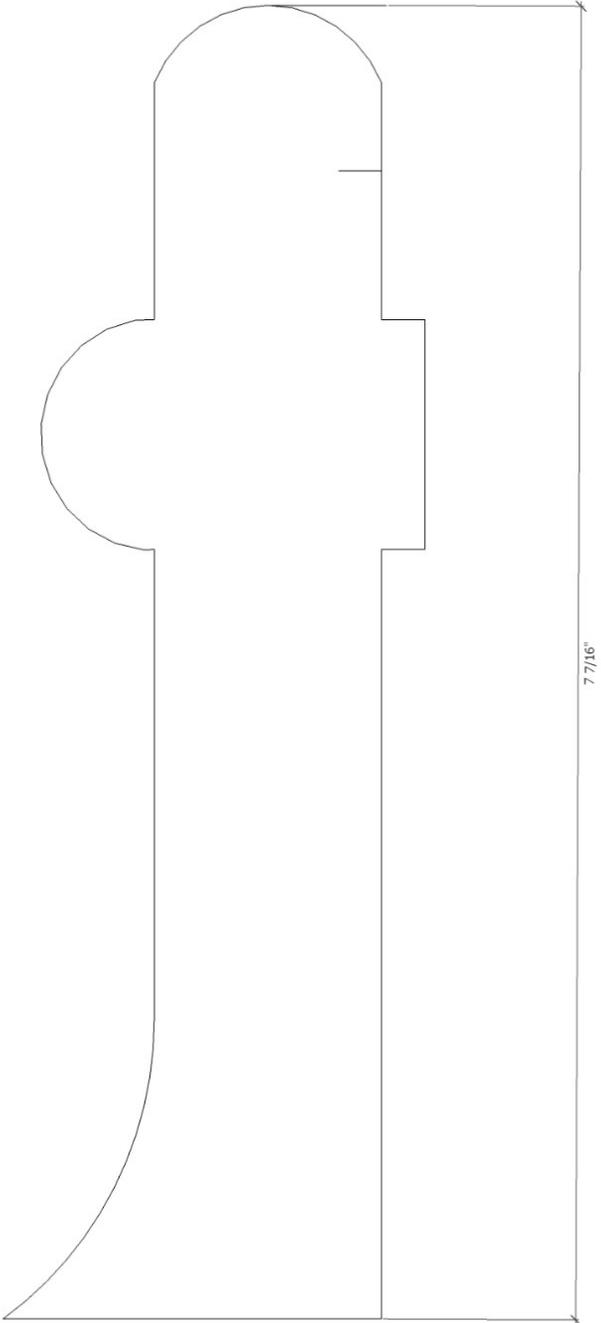
Finish

1. Use beeswax or leave unfinished to allow for even more creativity by the child to paint as desired.

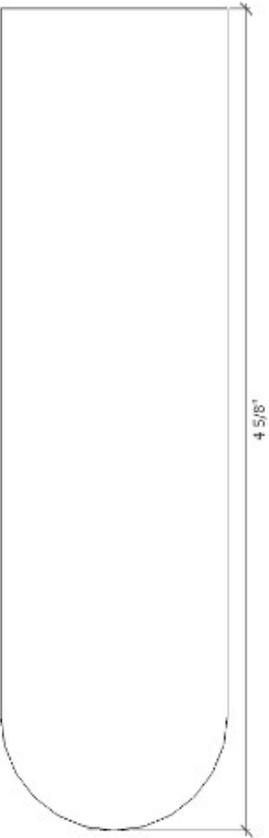
Conclusion

We at the Toy Group of the WWCH would like to thank you for participating in our toy making charitable activity. These toys will bring smiles to the less privileged children of our area.

Crop Duster Fuselage View – To Scale



Crop Duster Half Wing View – To Scale



Crop Duster Propeller View – To Scale

