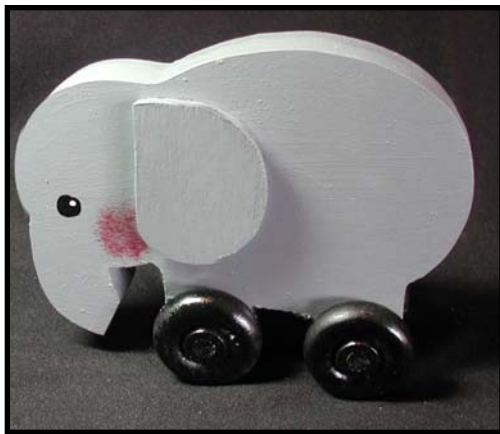
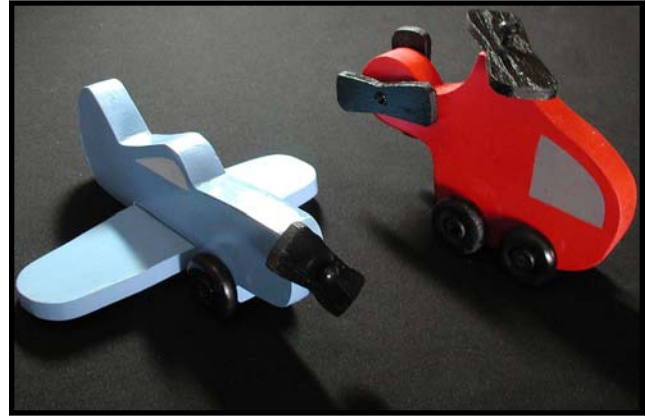


Wooden Toys



Materials

Scroll Saw, Drill Press, Safety goggles, Sandpaper, Paint Brushes,

Wood. 3/4" thick wood for the main shapes- 1/4" wood for the elephant ears, duck wings and propellers- 3/8" wood for the airplane wings.

Wheels. Approximate size 1 1/4" wood craft wheel.

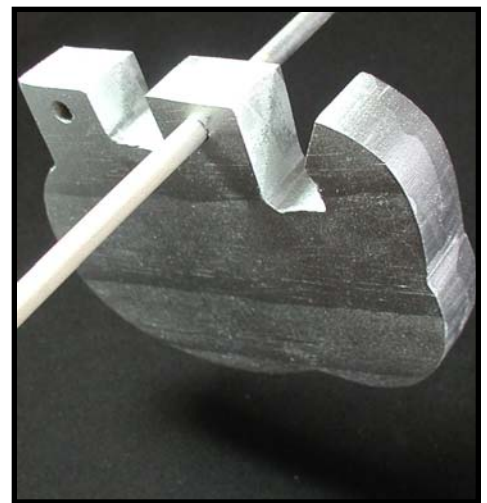
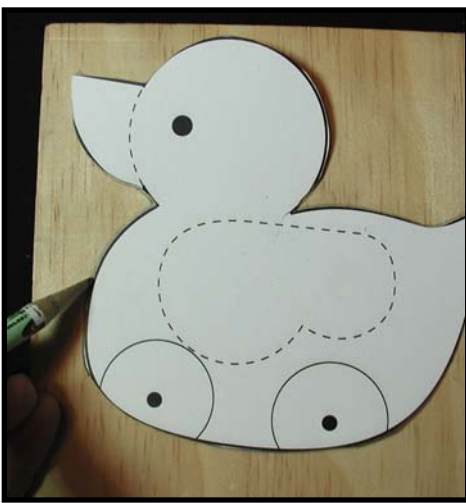
Dowels. 1/4" dowel or dowel that will fit the hole of the purchased wheel

Pegs. Wood axil pegs for the giraffe horns, airplane propeller and large helicopter propeller. These should fit the hole in the purchased wheel.

Craft Wheels. 1" precut and drilled craft wheels.

Paint. All acrylic paints must be finished with Polyurethane layer to be sealed and water proofed. If using Latex, you may need to thin it down and it is not necessary to use Polyurethane to seal the Latex.. Latex paint is difficult to drybrush for the details. If acrylic paints are used over the Latex for the details, then a layer Polyurethane is again necessary. The base coat can be spray painted. Do not use lead paint.

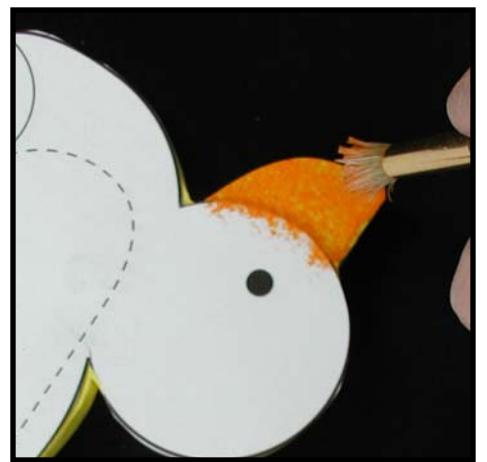
Wood Glue. Use quality wood glue for gluing the wheels to the dowels, being careful to allow the wheels to roll. The pegs are glued into the toys allowing the propellers to rotate. Cut the area for the airplane wing placement straight so there can be good contact for the surfaces to be glued.



1 Photocopy the patterns onto cardstock and cut them out on the outside solid line. Place the pattern on top of the wood and trace the outline with a pencil. Using a scroll saw, cut the shapes out. The animals are cut from 3/4" thick wood. The elephant ears, duck wings and propellers are cut from 1/4" plywood. The airplane wing is 3/8" thick.

2 Once the shapes are cut, mark the holes and drill the wheel holes using a 9/32" drill bit. This is larger than the 1/4" dowels that are used between the wheels as they need to be able to move freely. Drill the holes for the giraffe horns and propellers on the airplane and helicopter using 1/4" drill bit. Sand each shape until the edges are smooth and rounded.

3 Paint the base color. The picture shows one way to hang the shapes so they can be painted on all surfaces. Let it dry and lightly sand using a 150 grit sand paper. By sanding the first layer of base color, the wood will be much smoother. This softens the raised grain and will improve the quality of the finish. Base coat one more layer.



4 The details of the toys are dry brushed. Use a stiff brush. Dip the brush in the paint and bounce the brush onto a paper towel until it is nearly dry.

5 Cut the detail shapes out of the paper pattern and place it over the toy as a stencil. Bounce the brush over the stencil to apply the color. If the brush is dry the outside lines of the details will be well defined and neat.

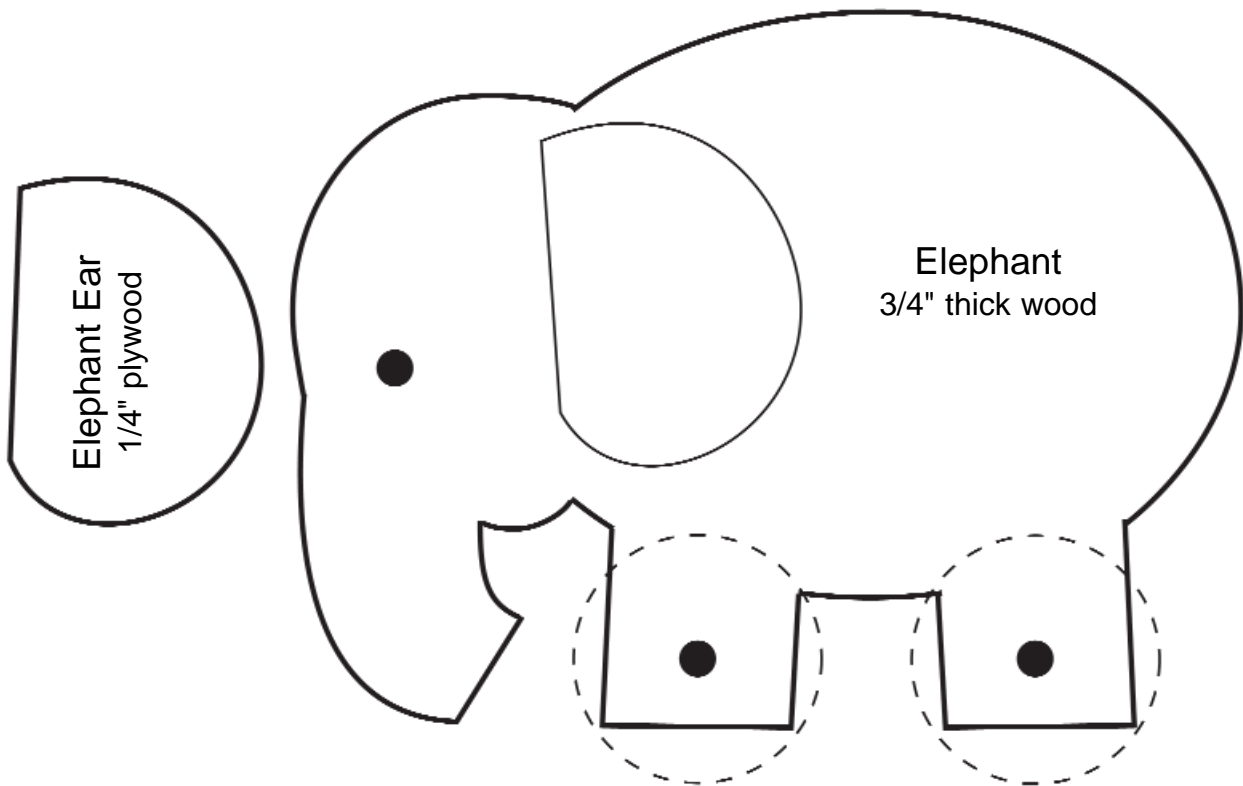
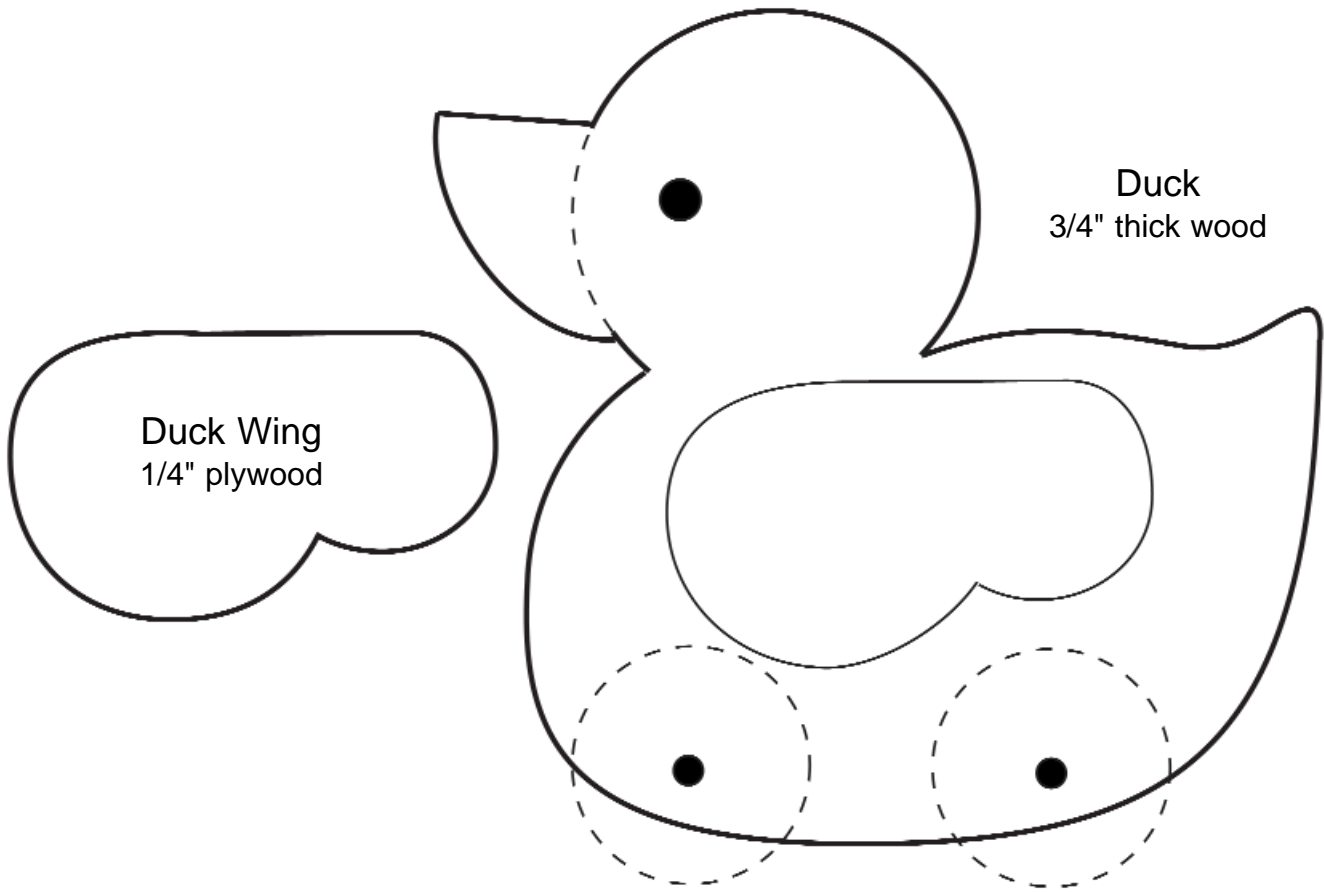
6 For the duck, the shape of the head was cut out to stencil the duck bill. Remember, the dryer the brush, the cleaner will be the outline of the details. Apply several thin layers to achieve the intensity of color.

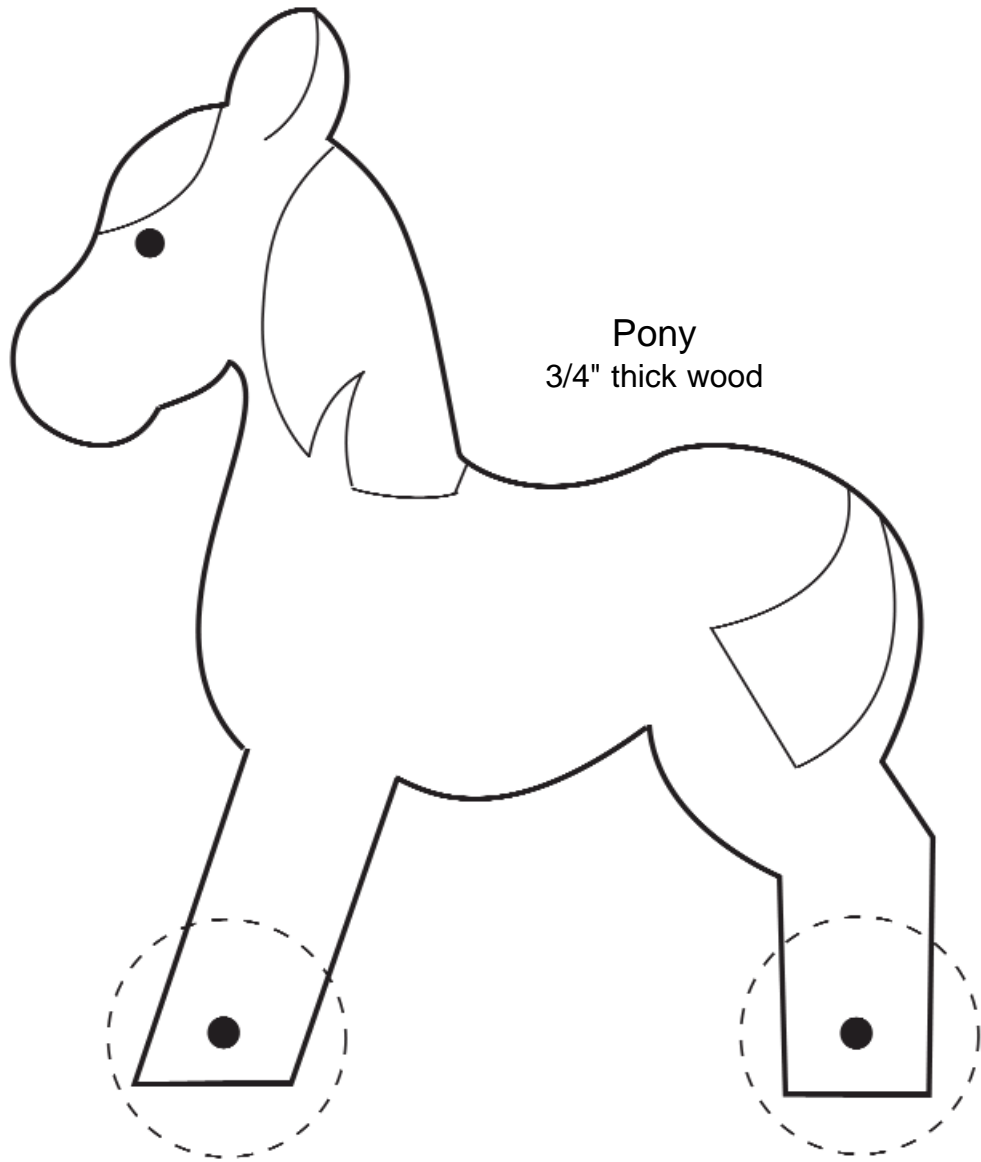


7 The pony has several details to stencil. Paint the thickness of the wood to match the stenciled areas on the front, such as the mane and tail.

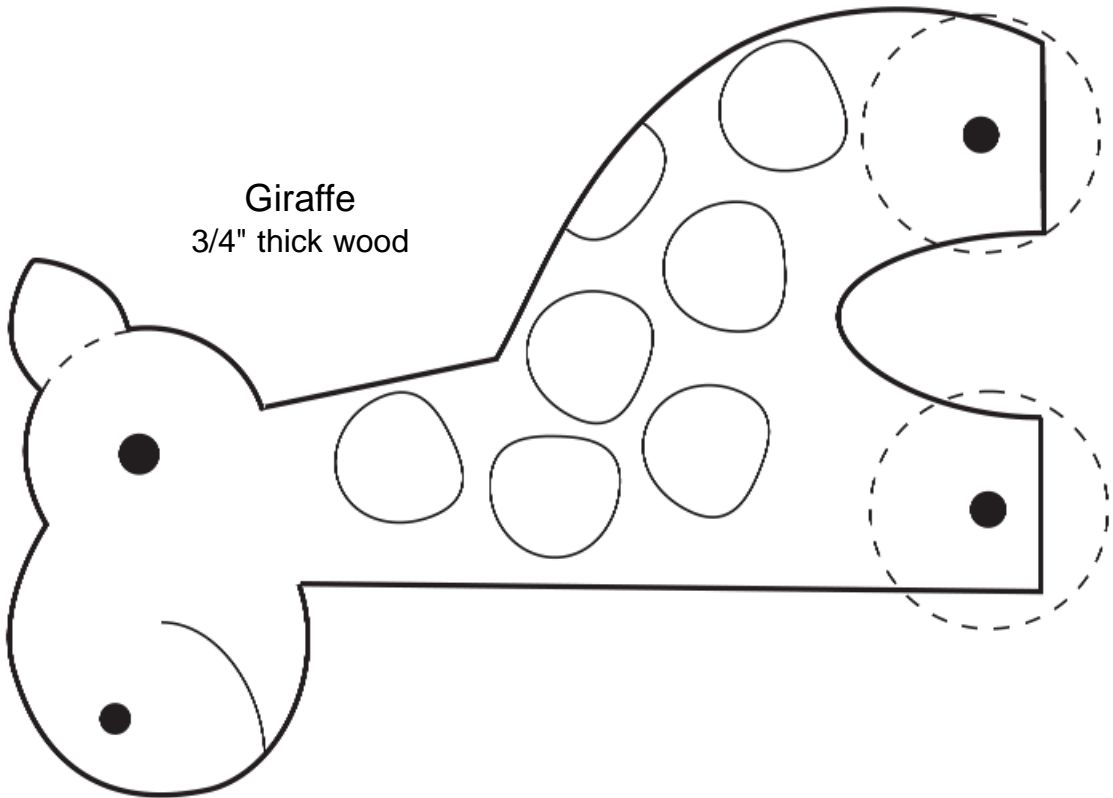
8 The highlights and blush can be added. Dot the eyes, using black paint. Once the eyes are dry, use a toothpick and add a small white dot off-centered for a spark of life.

9 Wheels are painted. Cut the dowels to fit the wheels (1 5/8"). Glue the dowels between the sets of wheels. The wood pegs are used for the large propeller of the helicopter, the airplane propeller and giraffe horns.



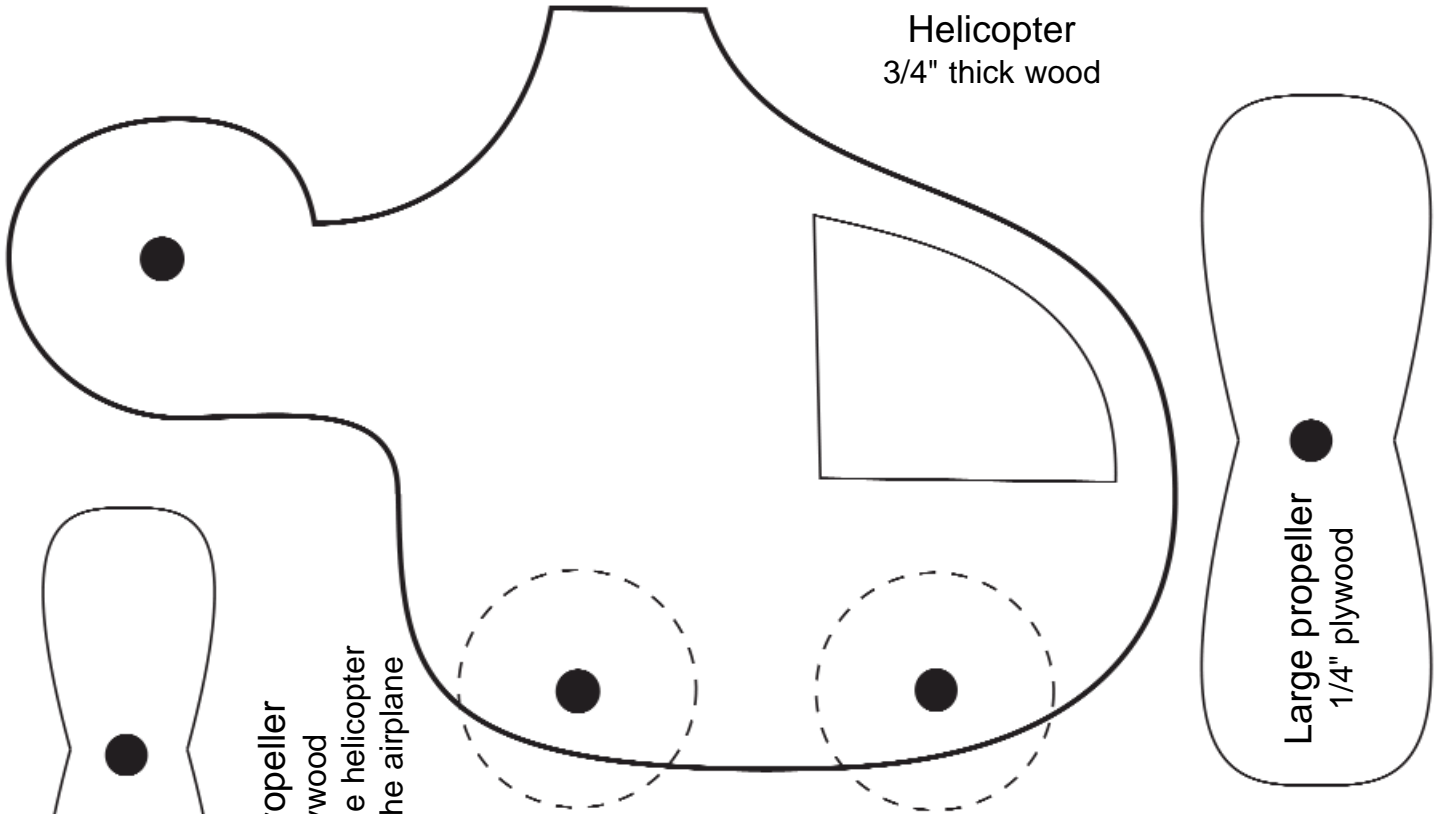


Pony
3/4" thick wood



Giraffe
3/4" thick wood

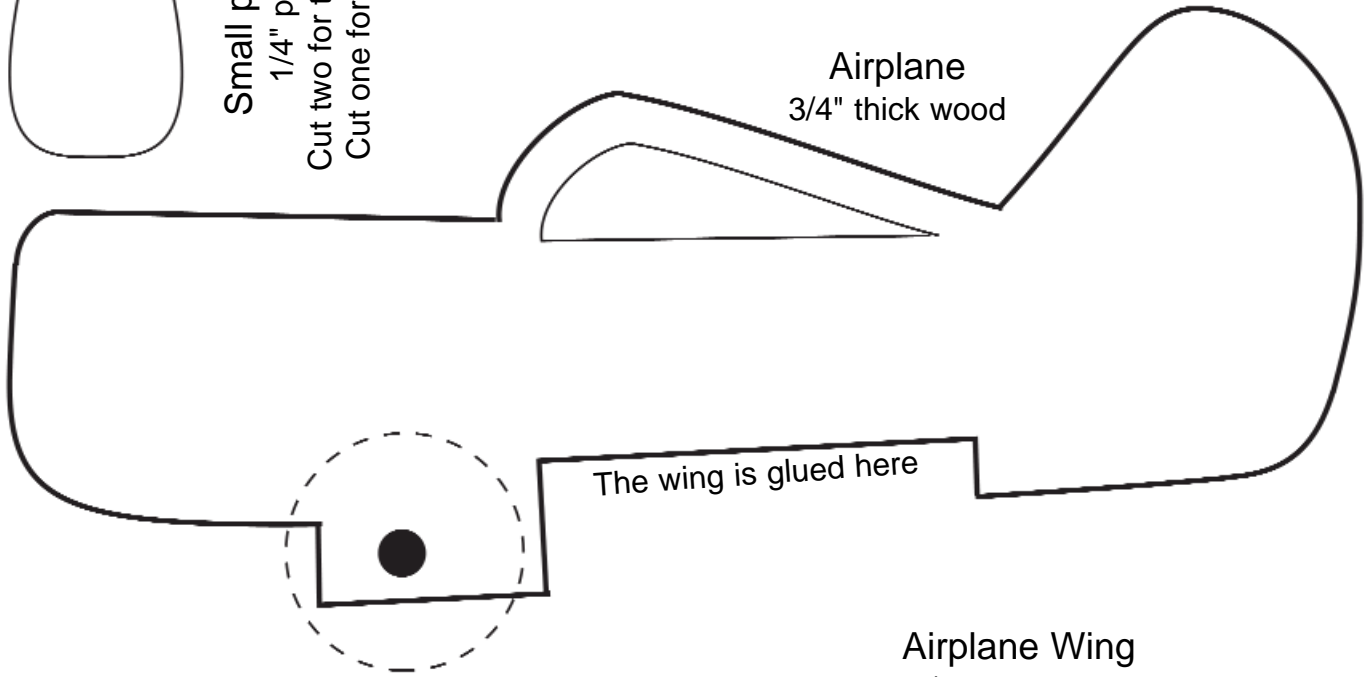
Helicopter
3/4" thick wood



Small propeller
1/4" plywood
Cut two for the helicopter
Cut one for the airplane

Large propeller
1/4" plywood

Airplane
3/4" thick wood



The wing is glued here

Airplane Wing
1/2" thick wood

Glue this edge so it is in the front of the plane.