

BUILD TOY AIRPLANES

**10 FULL-SIZE ALL WOOD
TOY AIRPLANE PATTERNS**

**John W. Lewman
Cynthia A. Lewman**



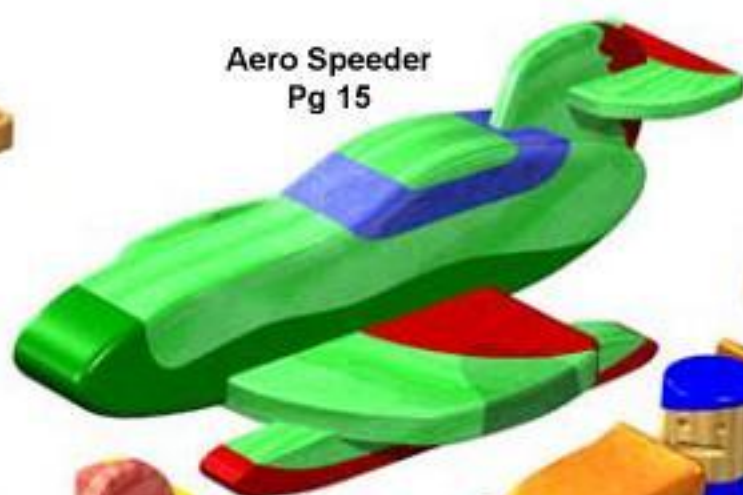
Material com direitos autorais



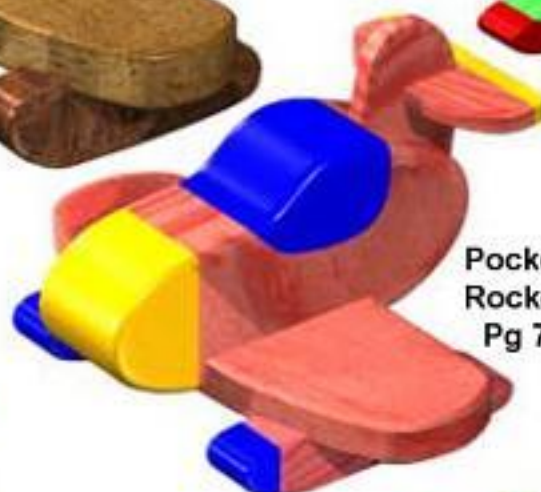
Stunt Rider
Pg 49



Private Eye
Pg 21

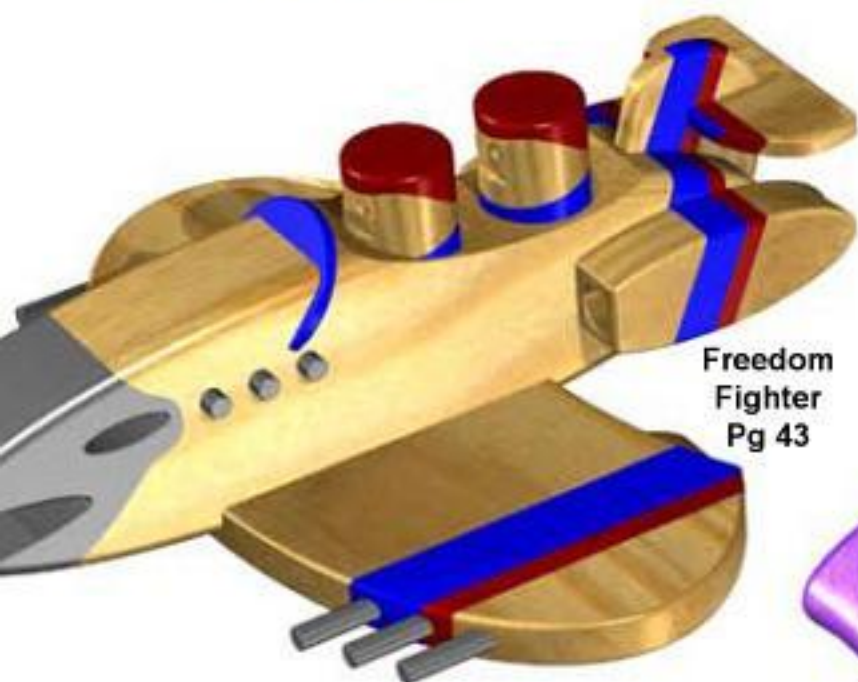


Aero Speeder
Pg 15



Pocket
Rocket
Pg 7

Cloud
Chaser
Pg 11



Freedom
Fighter
Pg 43

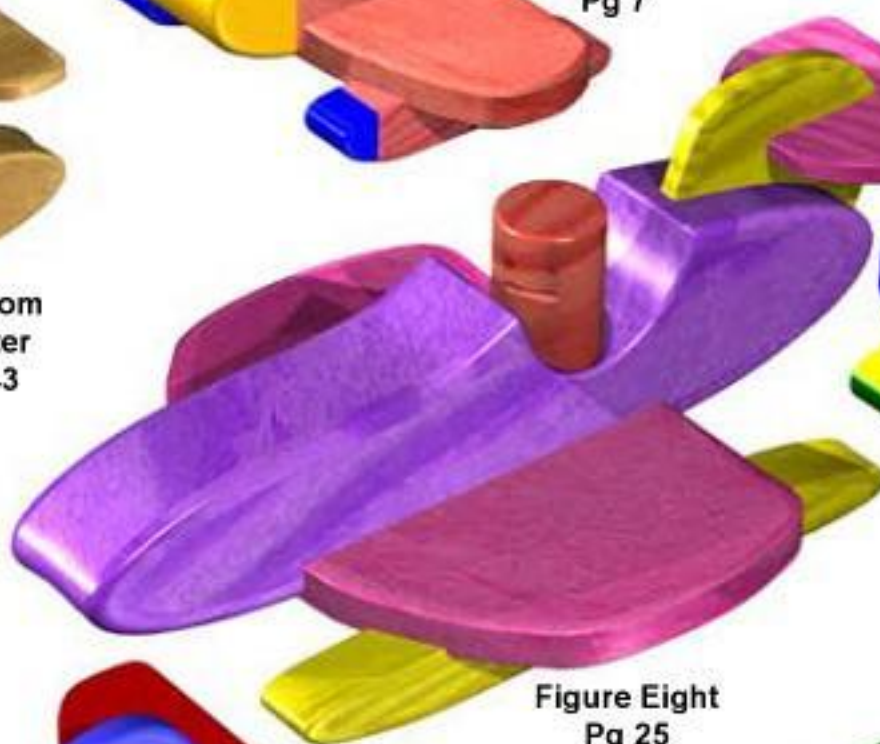
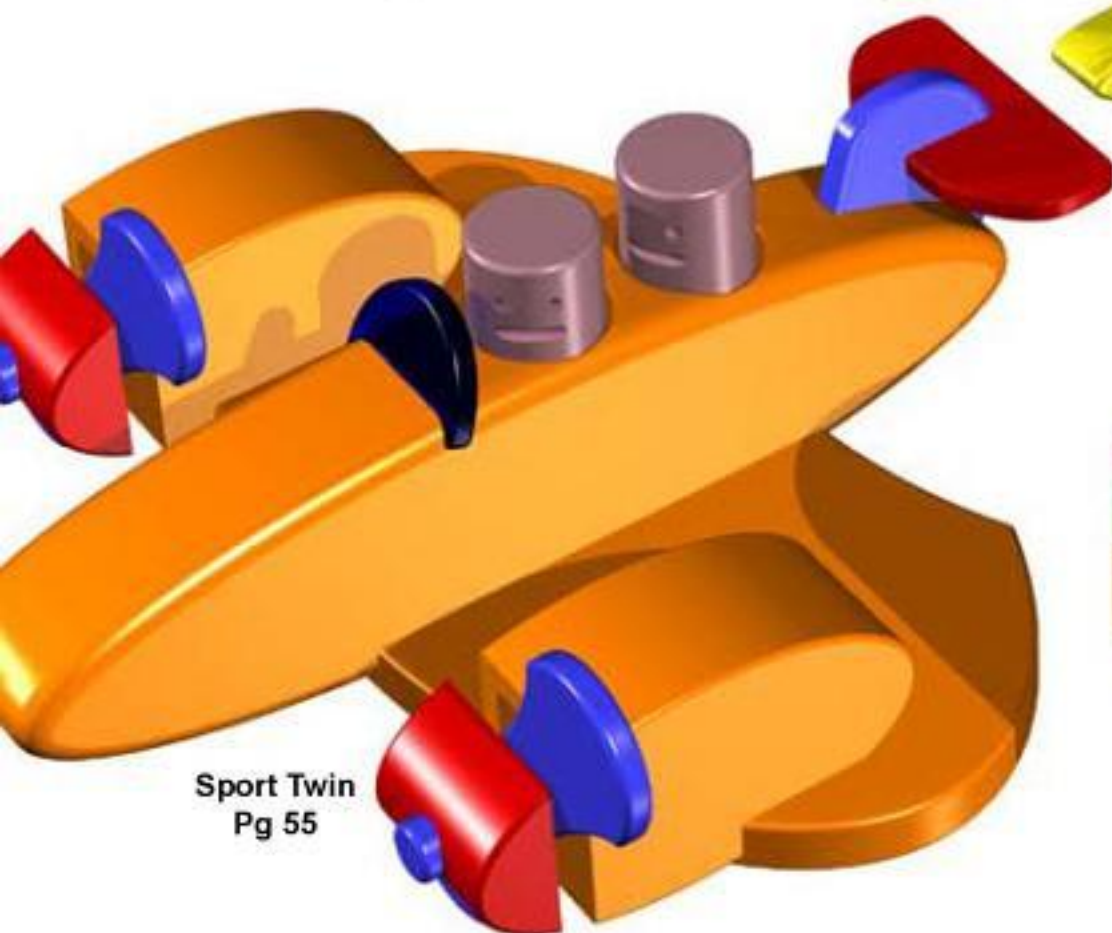


Figure Eight
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Sport Twin
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BUILD TOY AIRPLANES
 10 FULL-SIZE ALL WOOD
 TOY AIRPLANE PATTERNS
 FOR SCROLL SAWS AND BAND SAWS

Toymaker Press is dedicated to providing you with the information and ideas you need to develop your skills as a toymaker. We welcome your comments and any suggestions about this collection of toy plans.

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First edition

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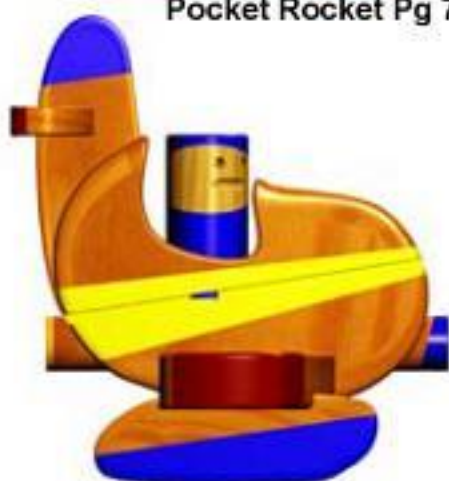
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Stunt Rider Pg 49



Pocket Rocket Pg 7



Cloud Chaser Pg 11



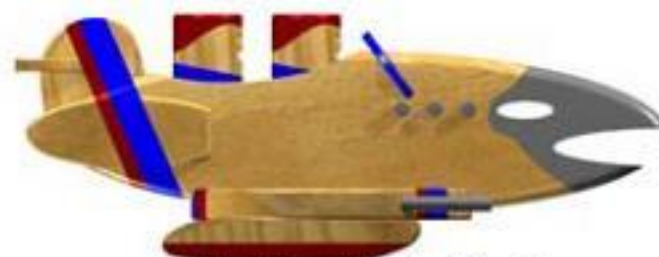
Sky King Pg 37



Figure Eight Pg 25



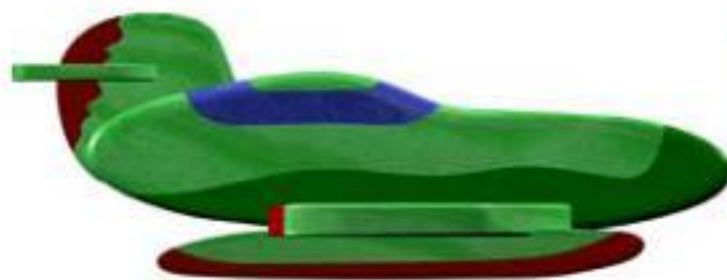
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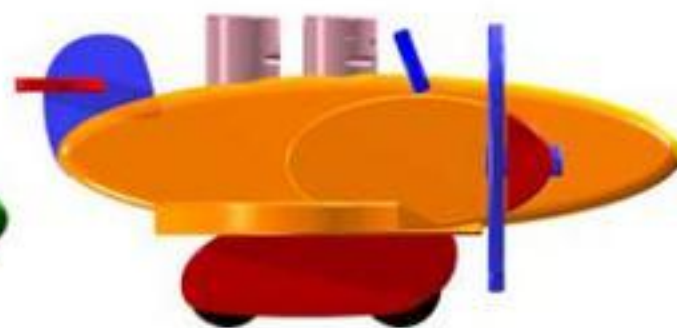
Freedom Fighter Pg 43



Private Eye Pg 21



Aero Speeder Pg 15



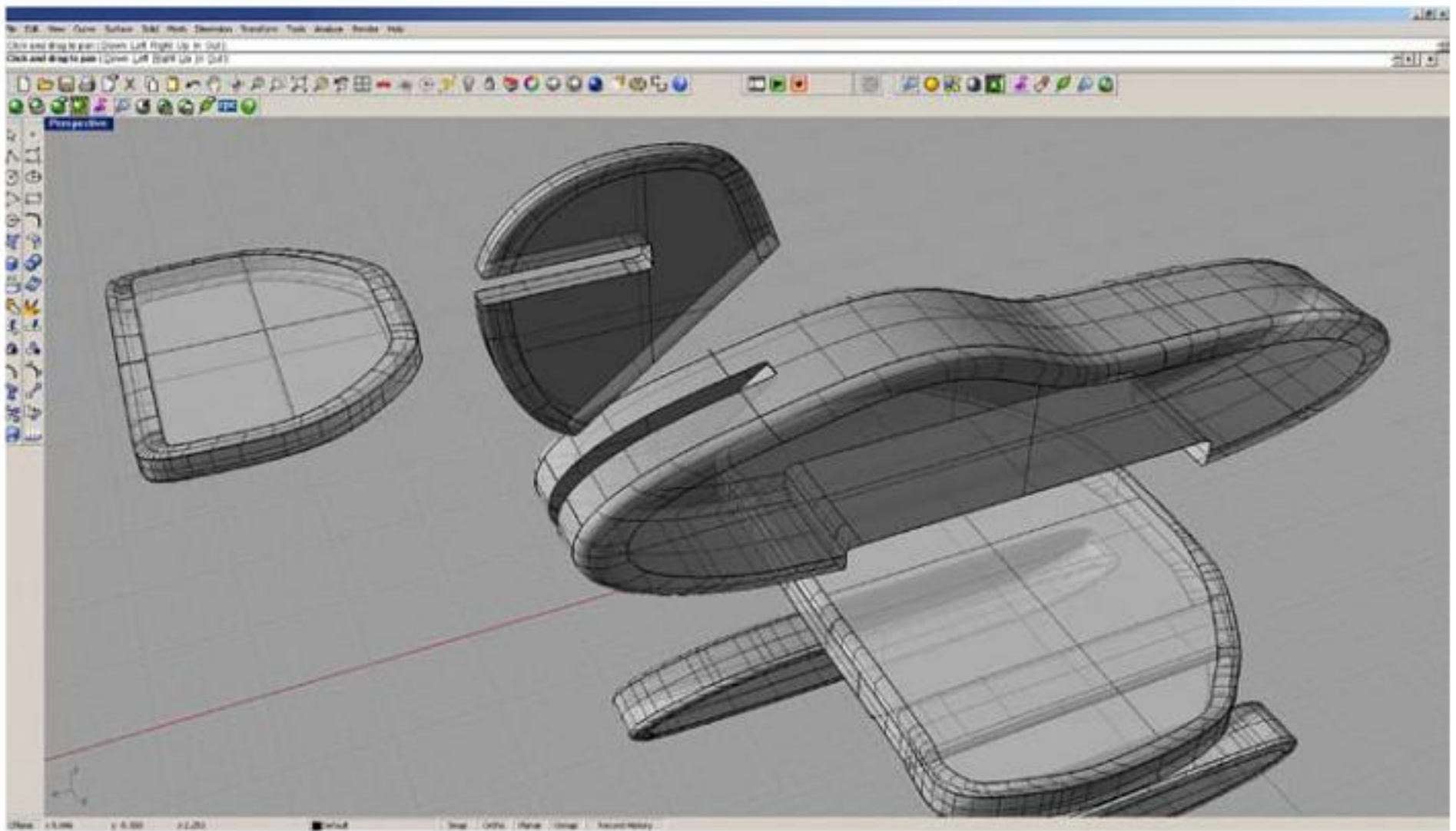
Sport Twin Pg 55

BUILD TOY AIRPLANES

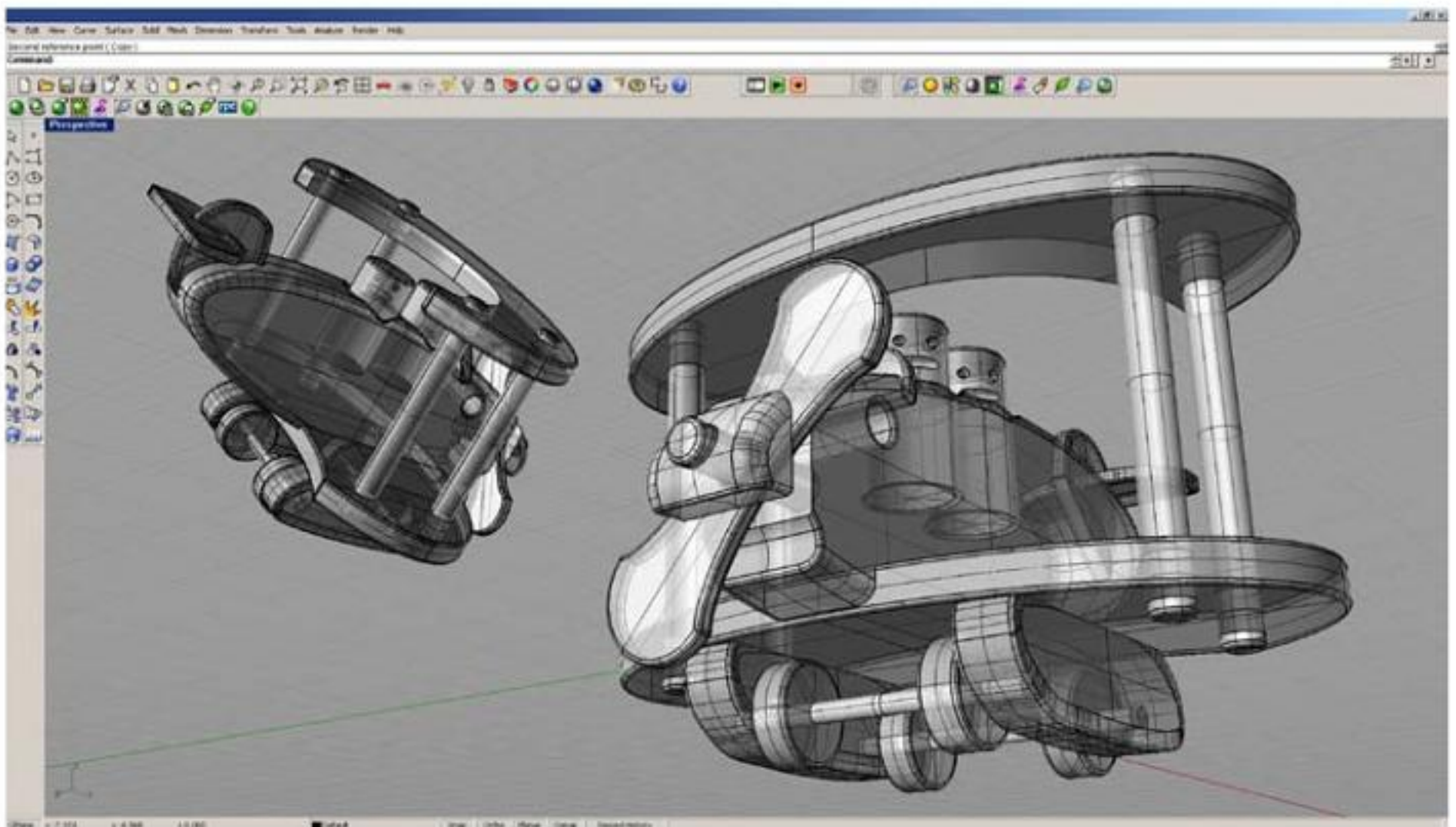
10 FULL-SIZE ALL WOOD TOY AIRPLANE PATTERNS FOR SCROLL SAWS AND BAND SAWS

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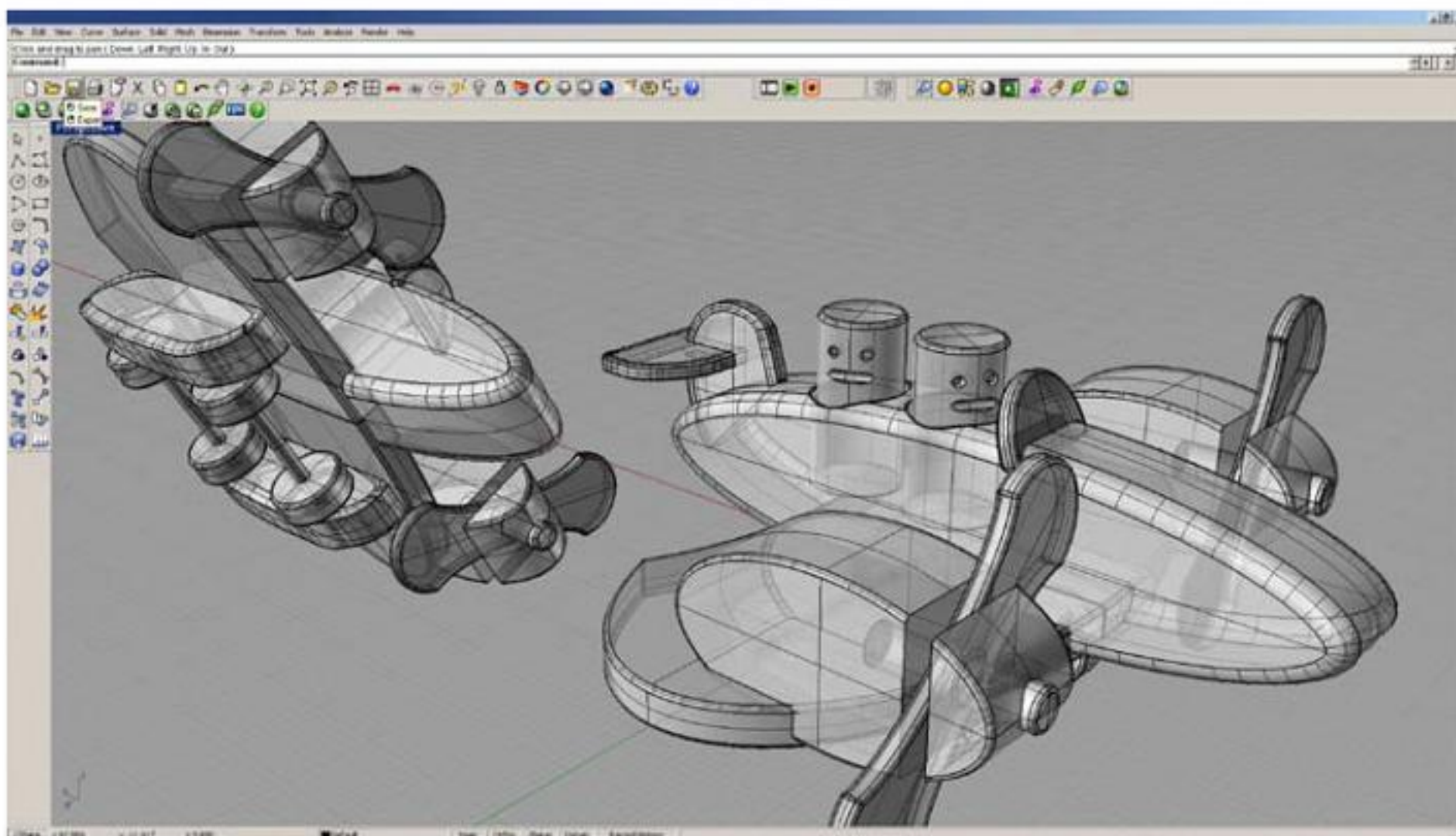
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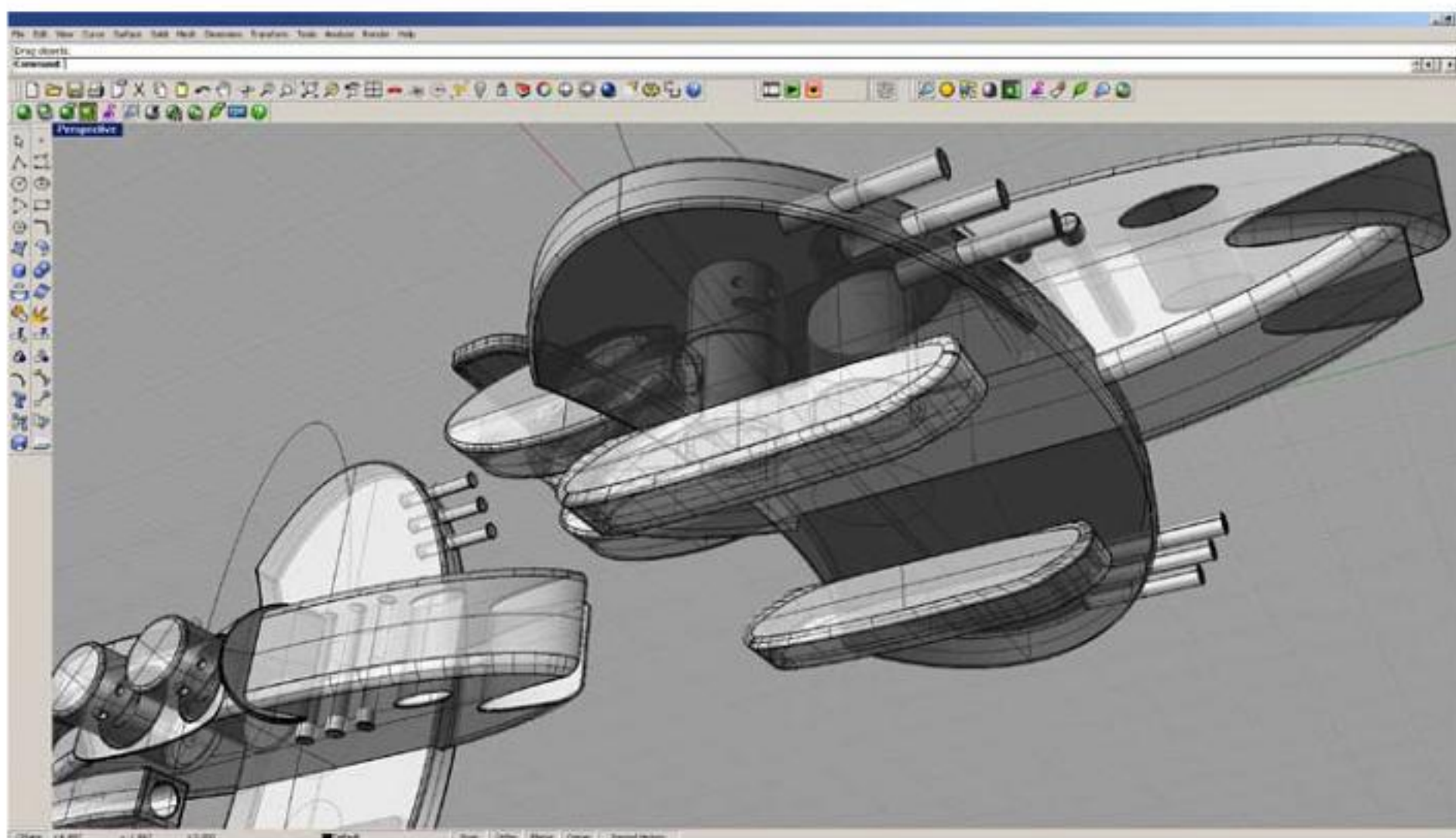
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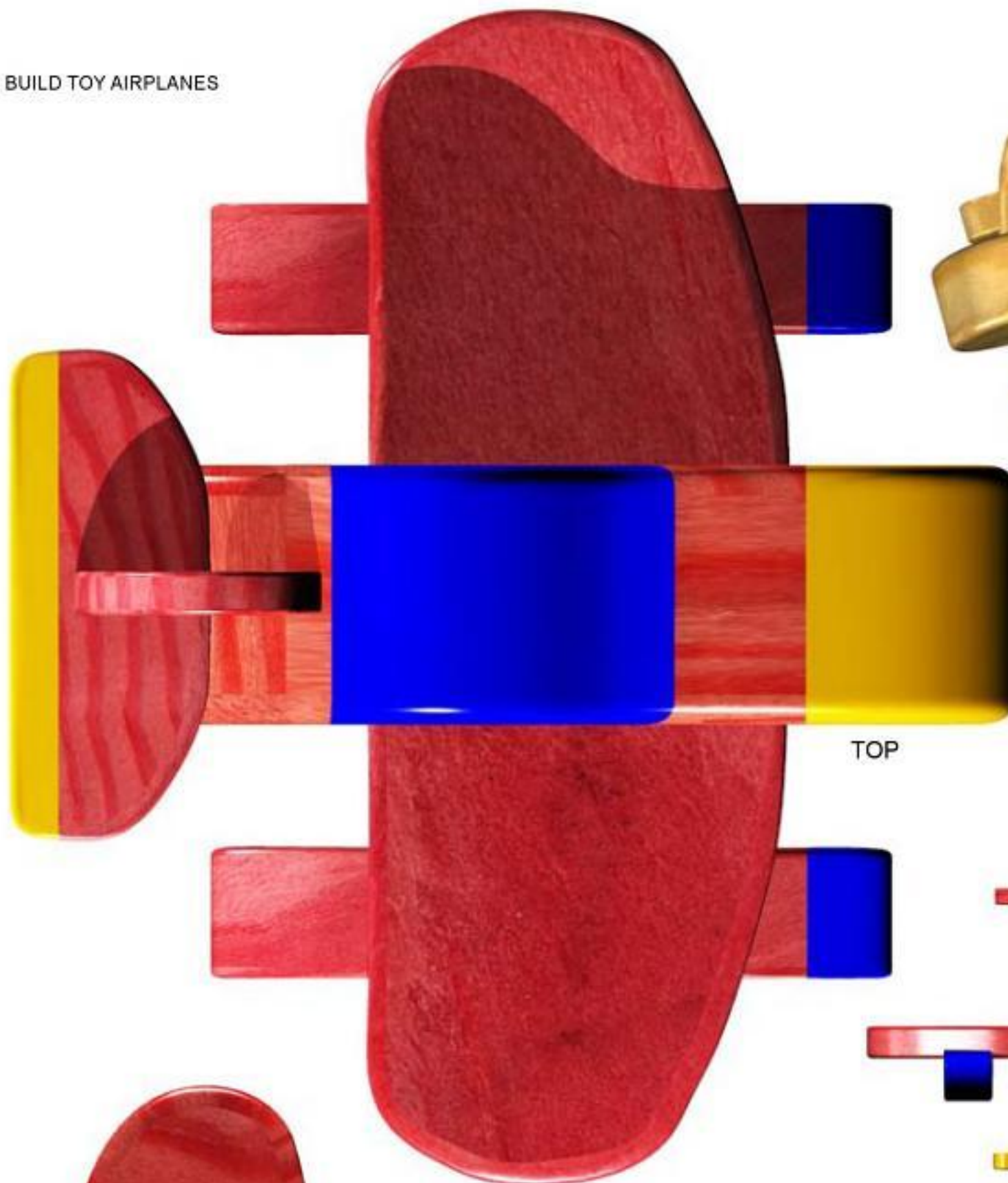
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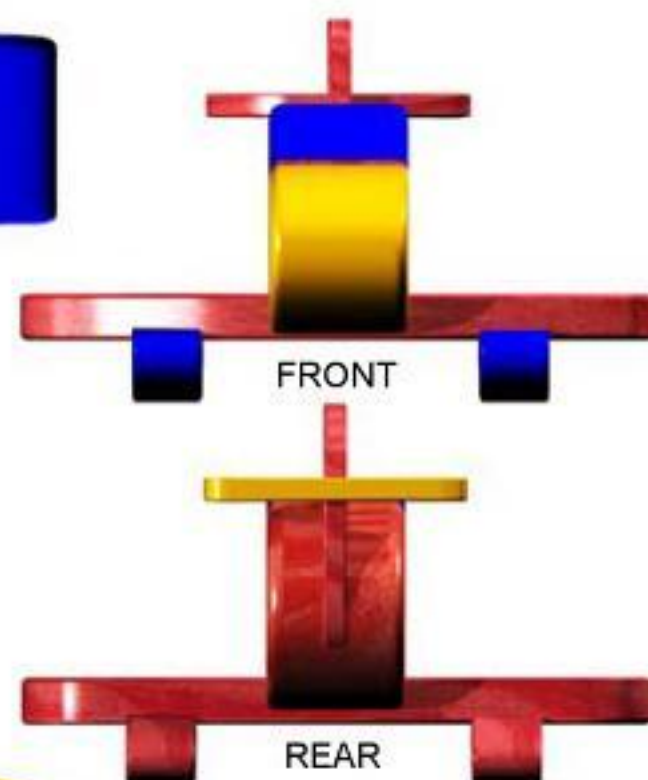
POCKET ROCKET





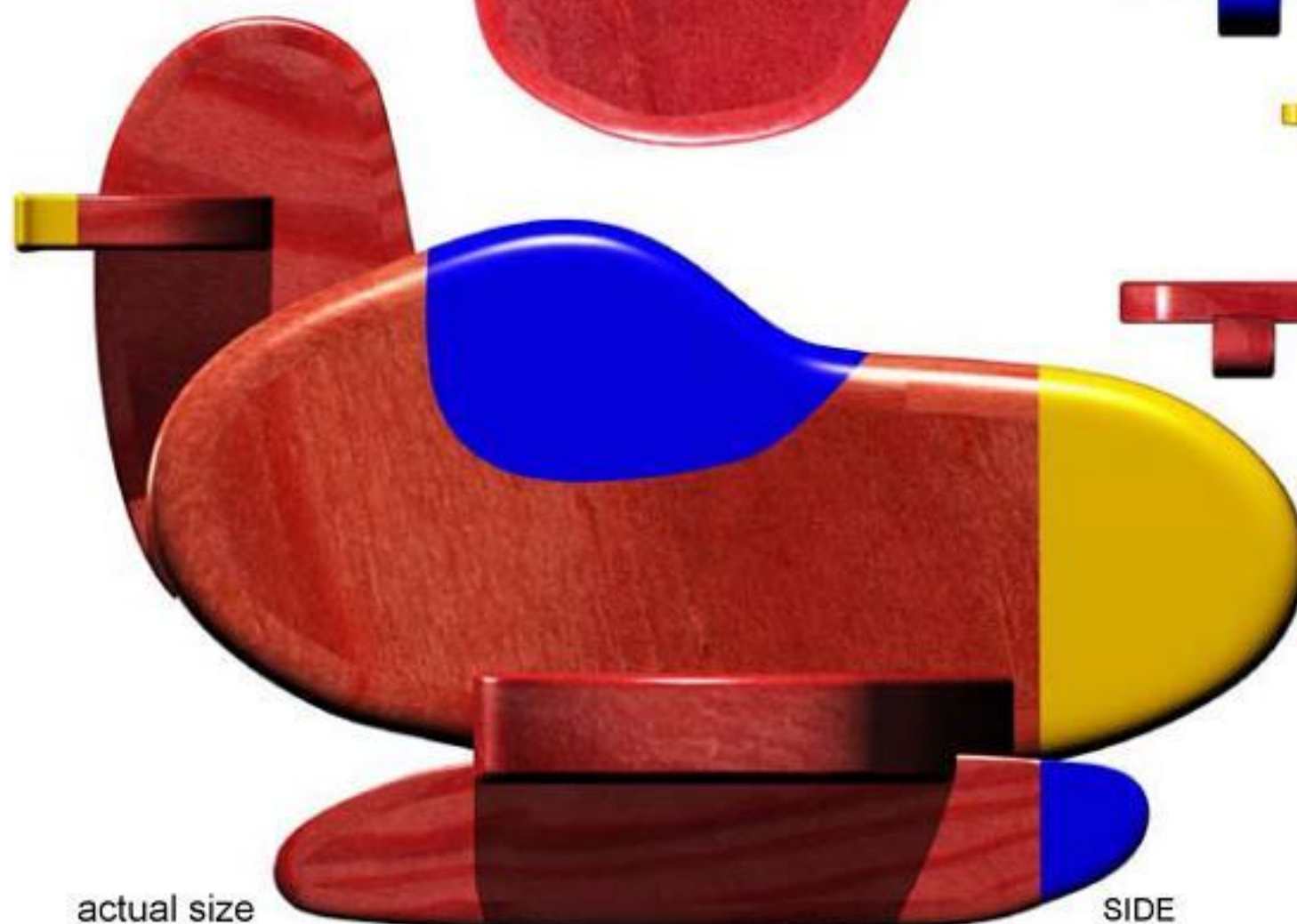
TOP

actual size



FRONT

REAR

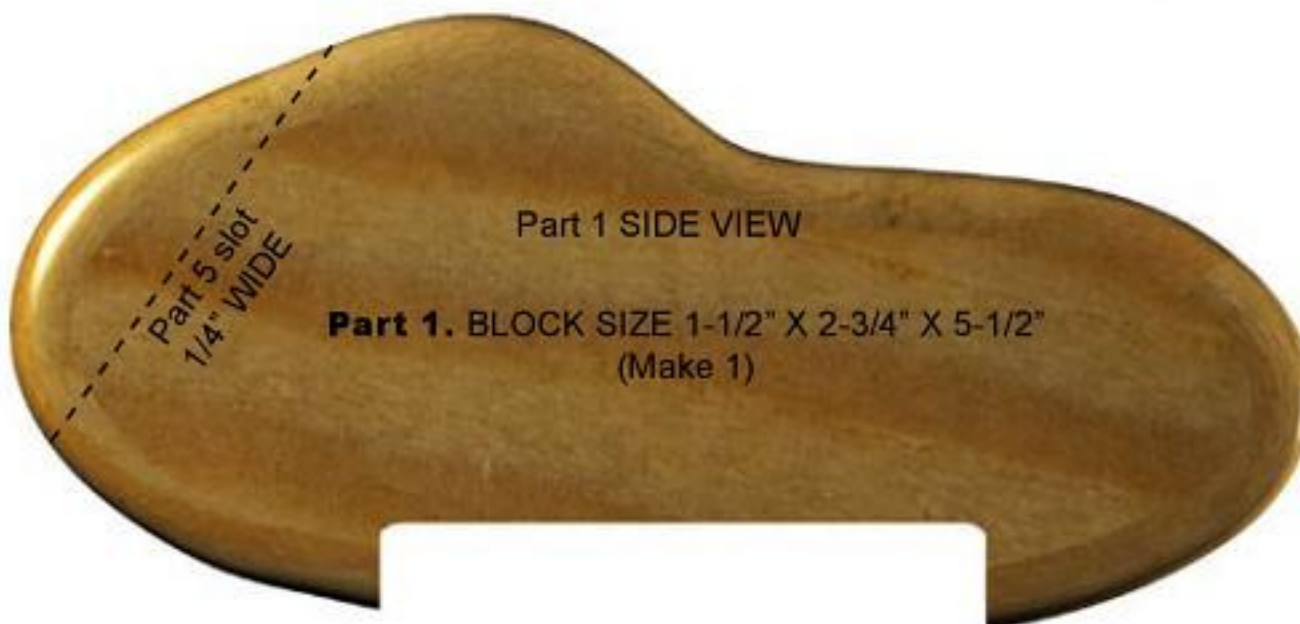
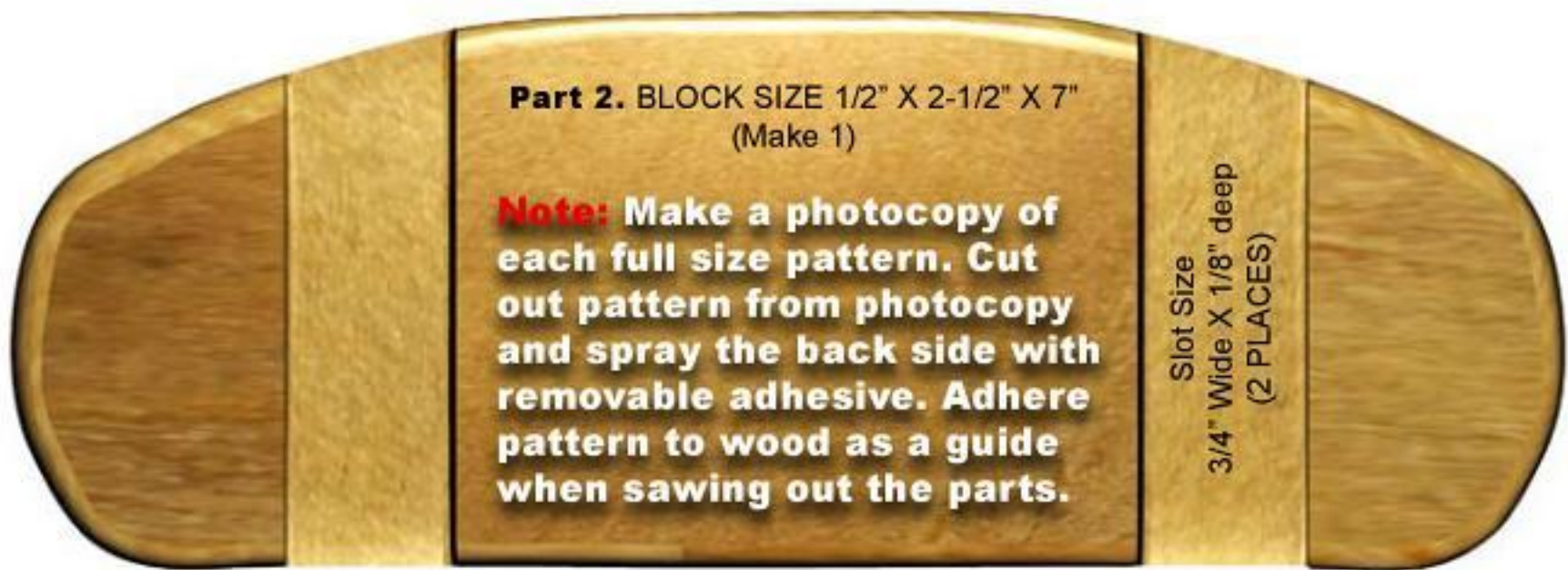


actual size

SIDE



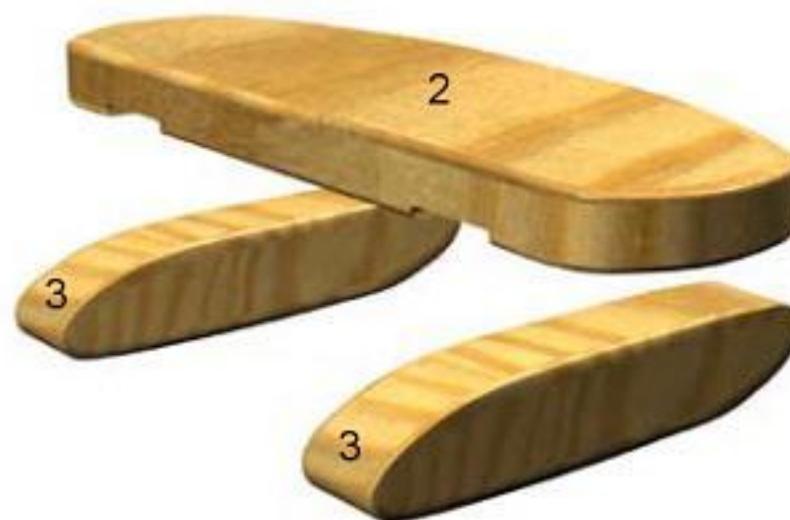
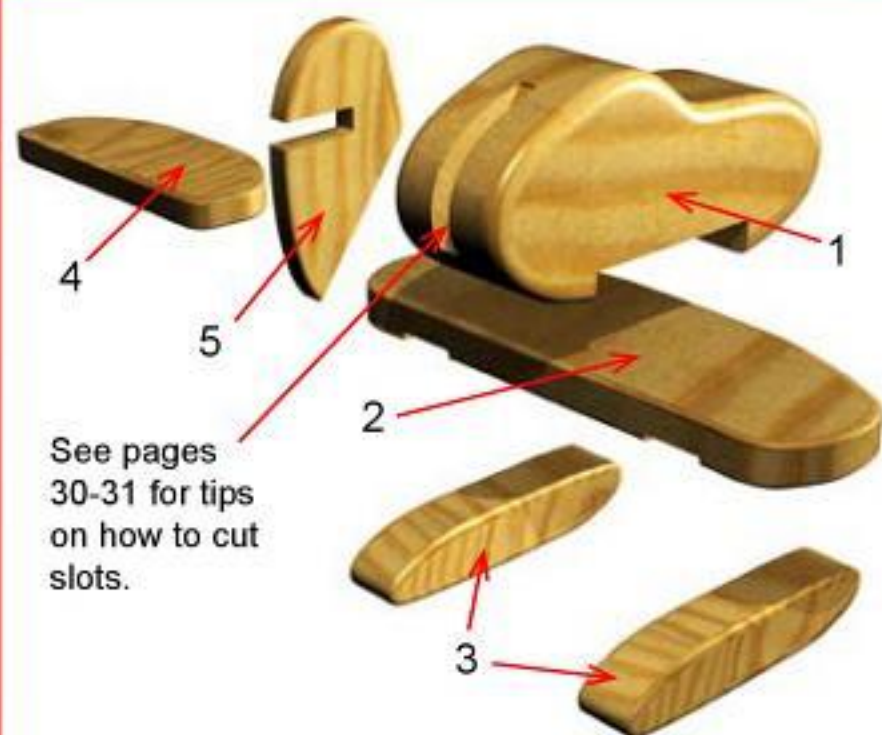
NOTE: Patterns shown are full size.



NOTE: All dimensions are for block size prior to cutting to shape.

NOTE: Add radius to edges with sandpaper or router.

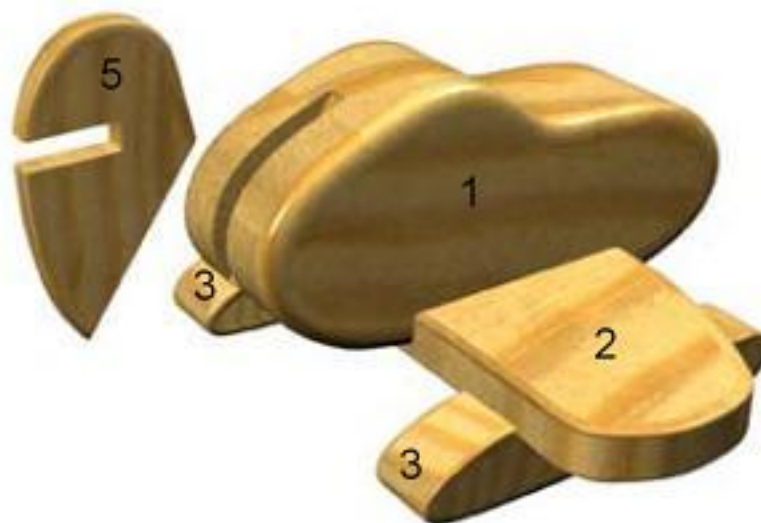
BUILD TOY AIRPLANES



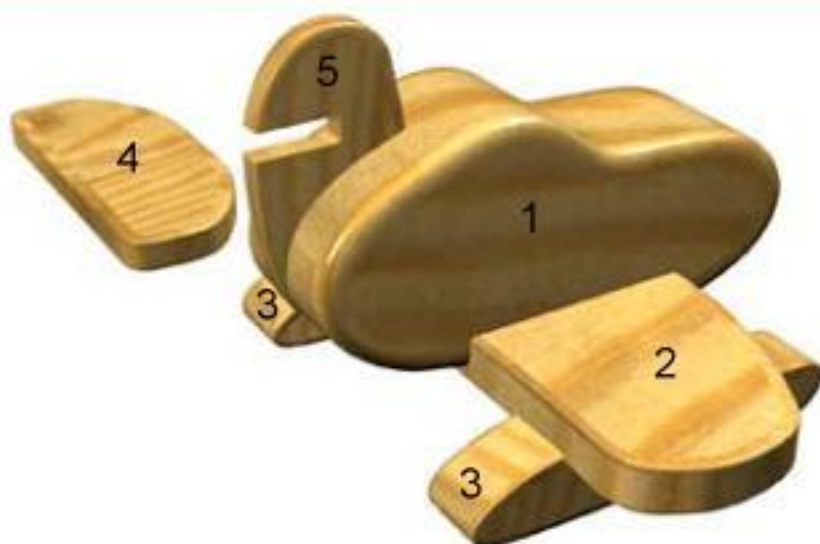
1. Add woodworker's white glue to slots in Part 2. Press Part 3 in place in both slots. Let assembly dry before proceeding.



2. Apply woodworker's white glue to large slot in bottom of Part 1. Press Part 2 into position in the middle of Part 2 as shown above. Let dry.



3. Apply woodworker's white glue to slot in top of Part 1. Press Part 5 into position in the slot in middle of Part 1 as shown above. Let dry.

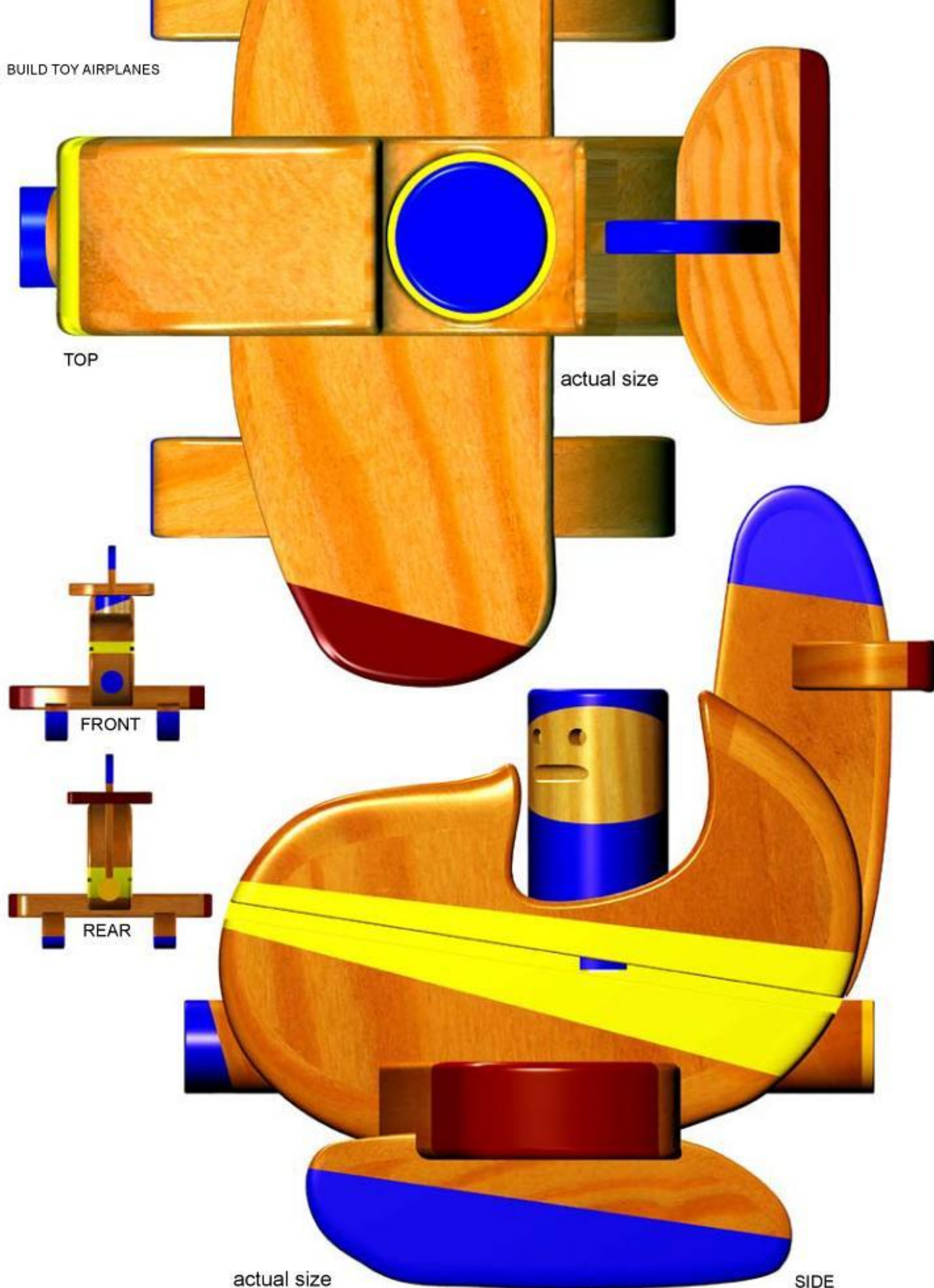


4. Apply woodworker's white glue to slot in edge of Part 5. Press Part 4 into position into Part 5 of the assembly as shown above. Let dry.

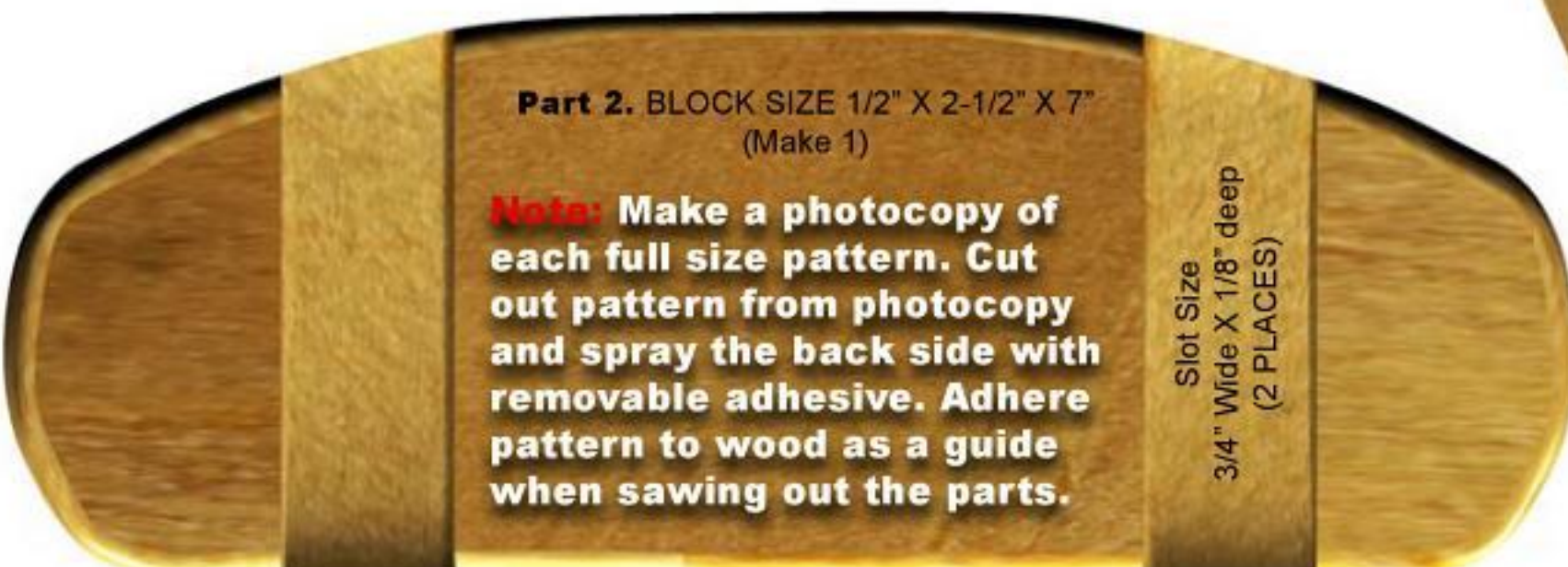
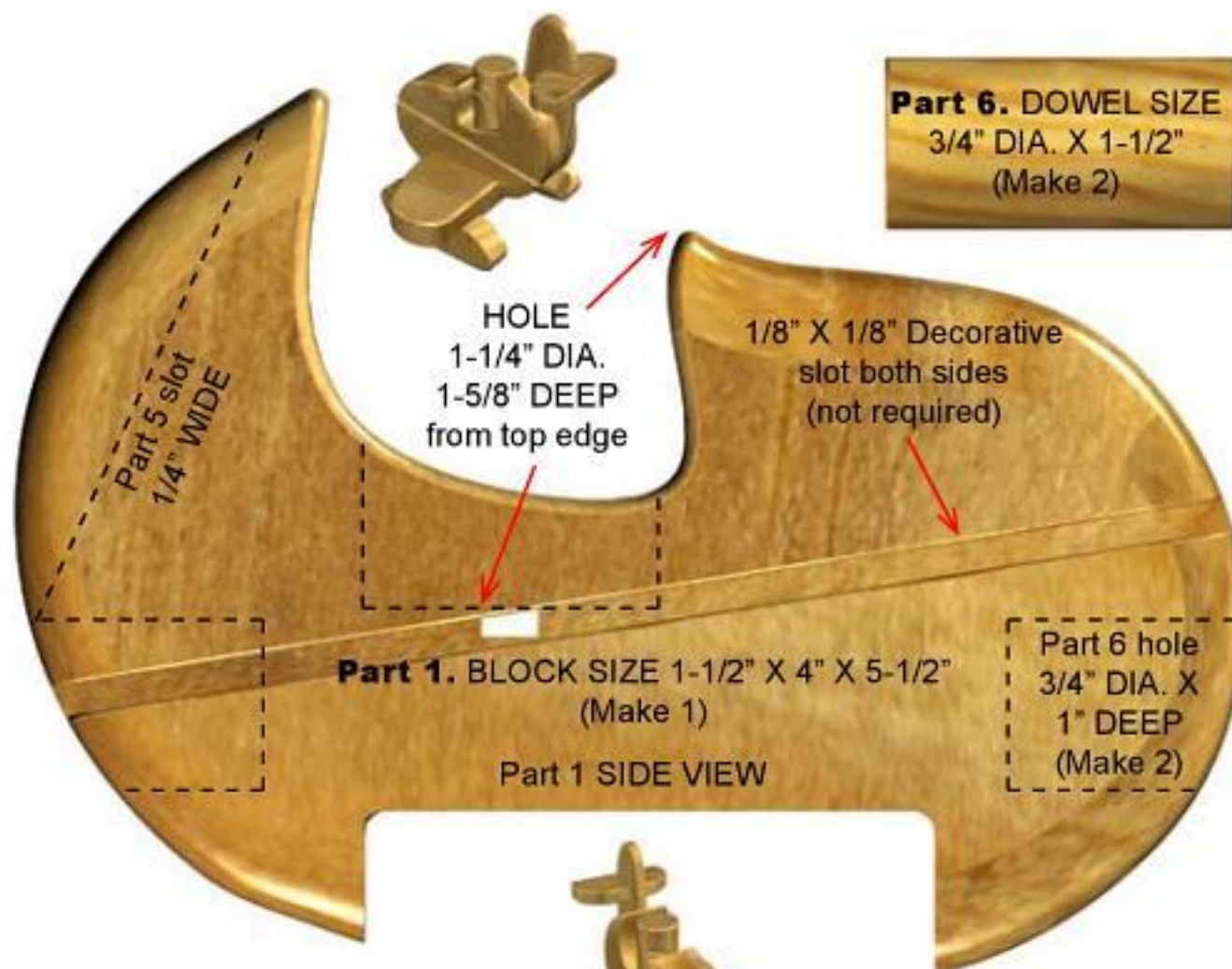


CLOUD CHASER





NOTE: Patterns shown are full size.

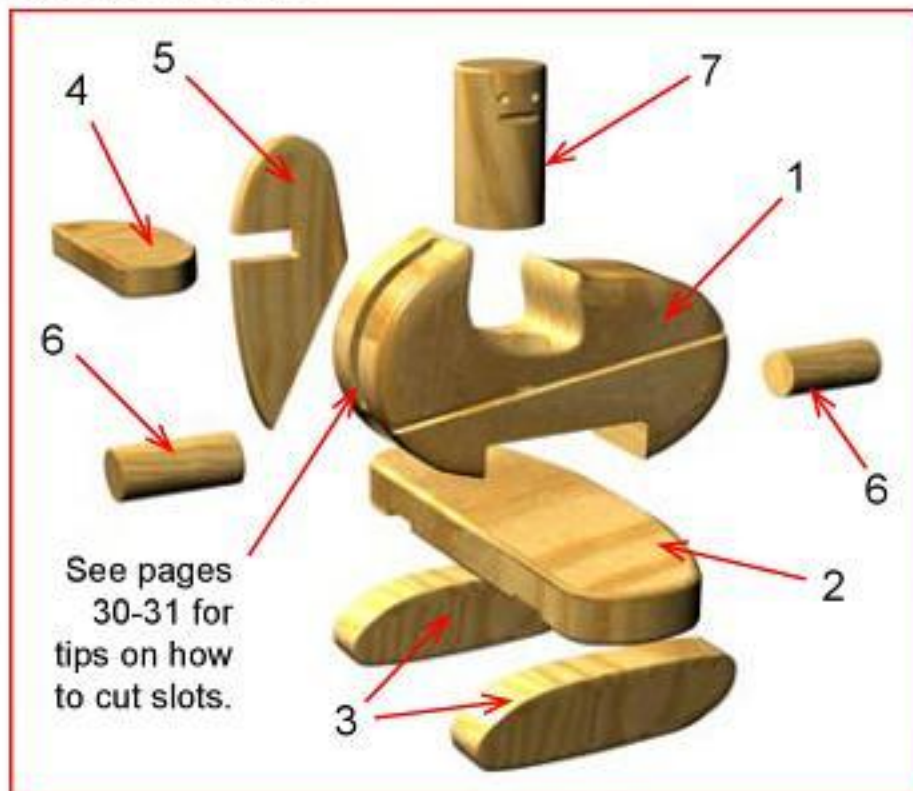


NOTE: All dimensions are for block size prior to cutting to shape.

مادة محمية بموجب حقوق النشر

NOTE: Add radius to edges with sandpaper or router.

BUILD TOY AIRPLANES



1. Add woodworker's white glue to slots in Part 2. Press Part 3 in place in both slots. Let assembly dry before proceeding.



2. Apply woodworker's white glue to large slot in bottom of Part 1. Press Part 1 into position in the middle of Part 2 shown above. Let dry.



3. Apply woodworker's white glue to front and rear holes in Part 1. Press Part 6 into position in front and rear of Part 1 shown above. Let dry.

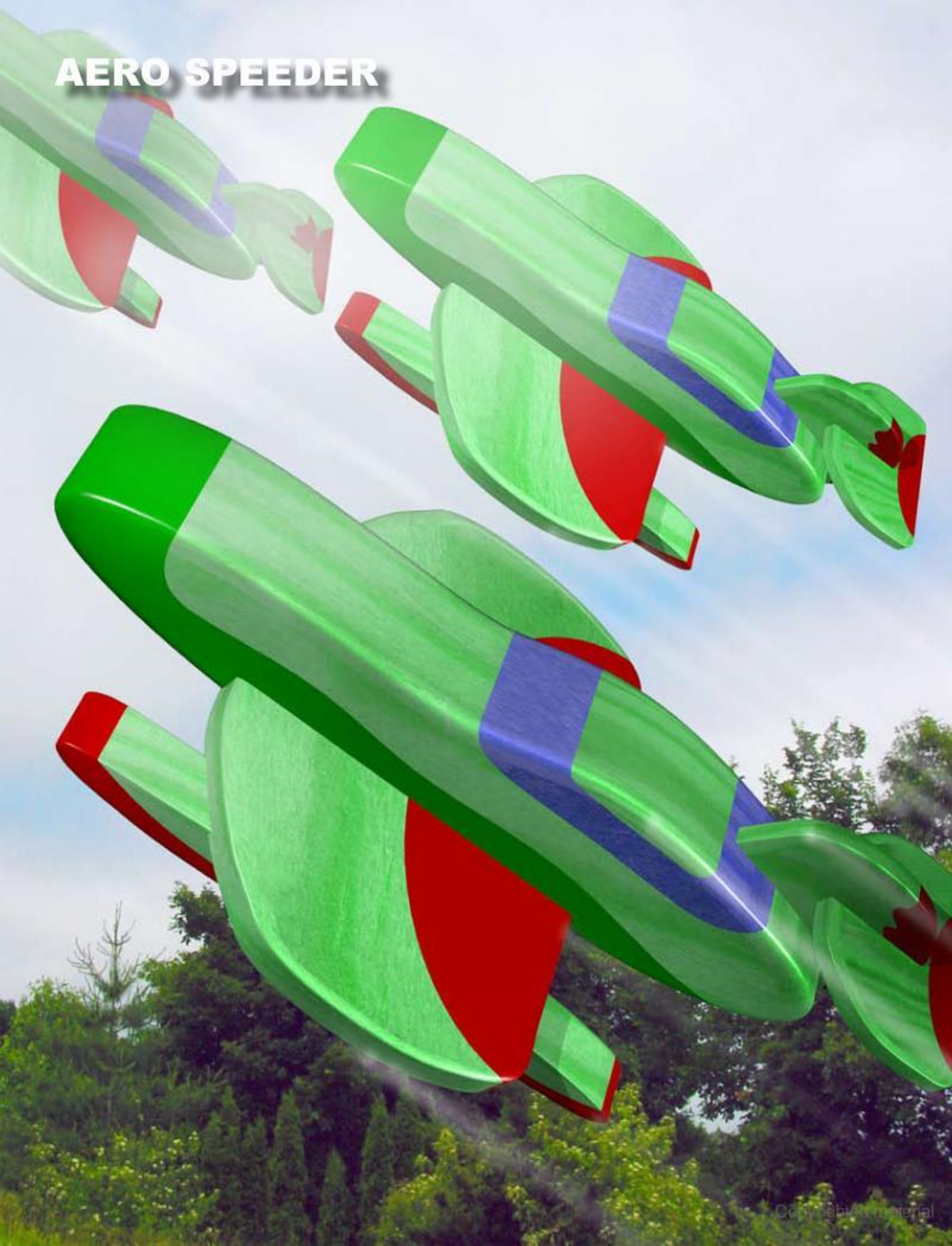


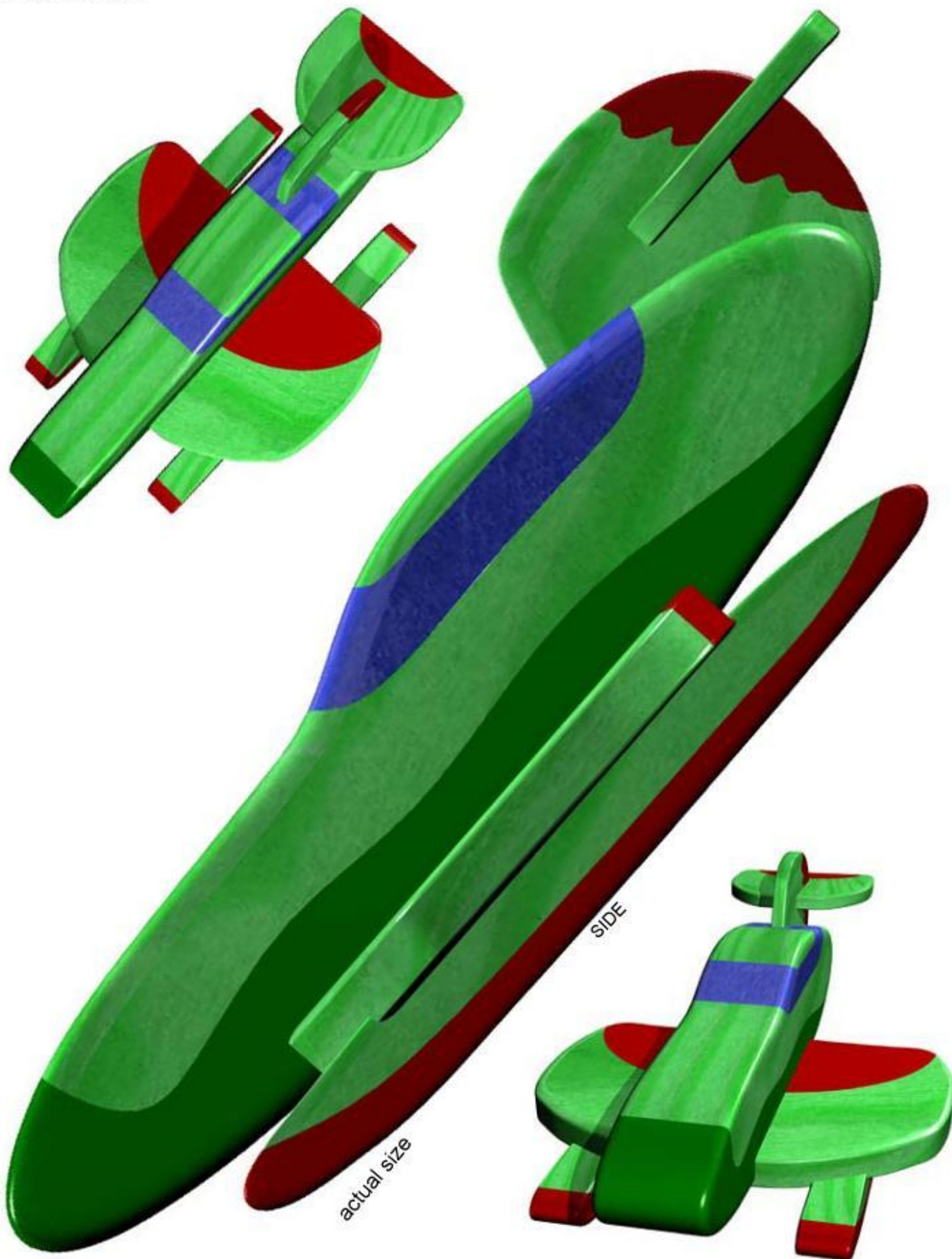
4. Apply woodworker's white glue to rear slot in middle of Part 1. Press Part 5 into position in the middle of Part 1 shown above. Let dry.

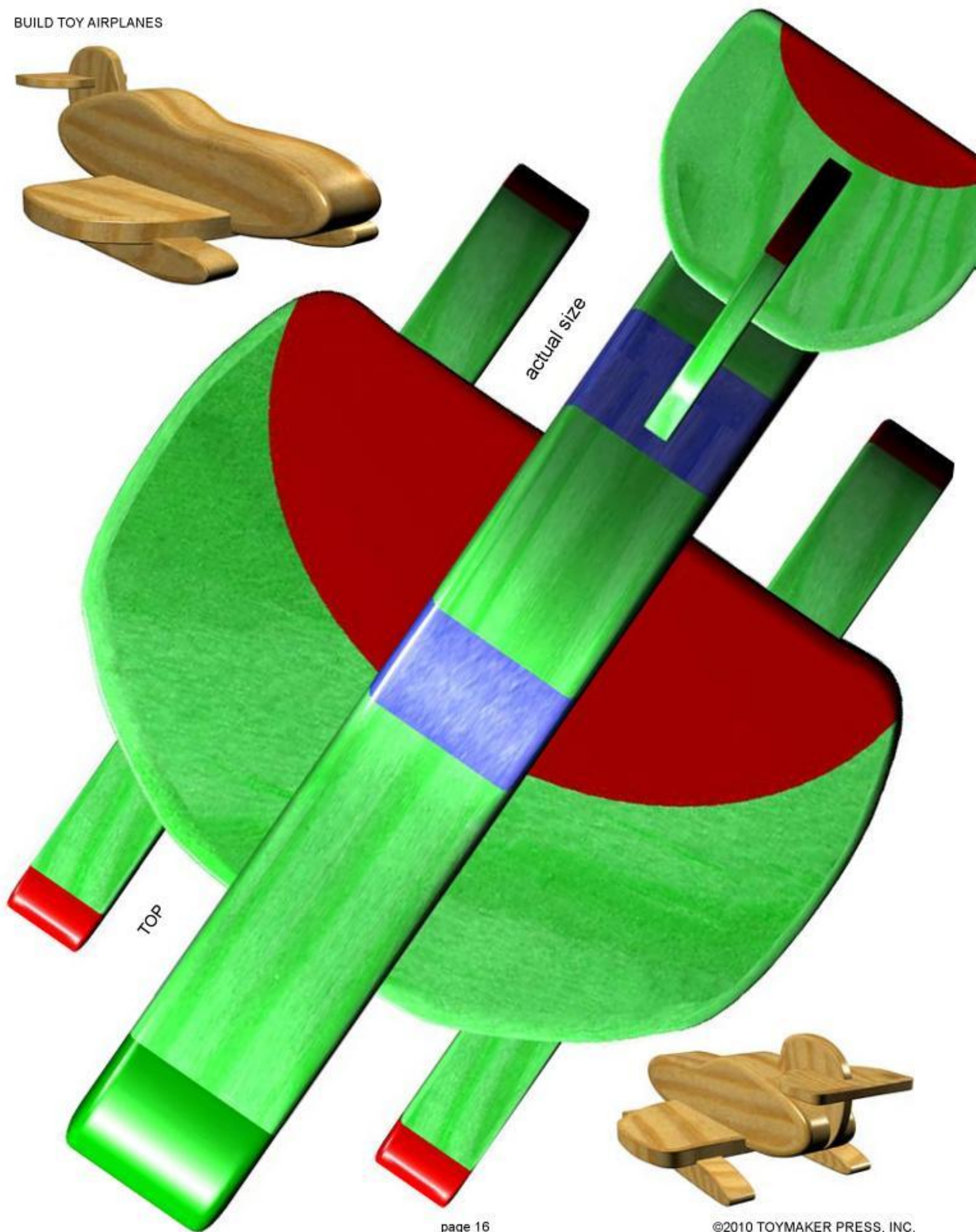
5. Apply woodworker's white glue to slot in edge of Part 5. Press Part 4 into the slot in the edge of Part 5 as shown above. Let dry.

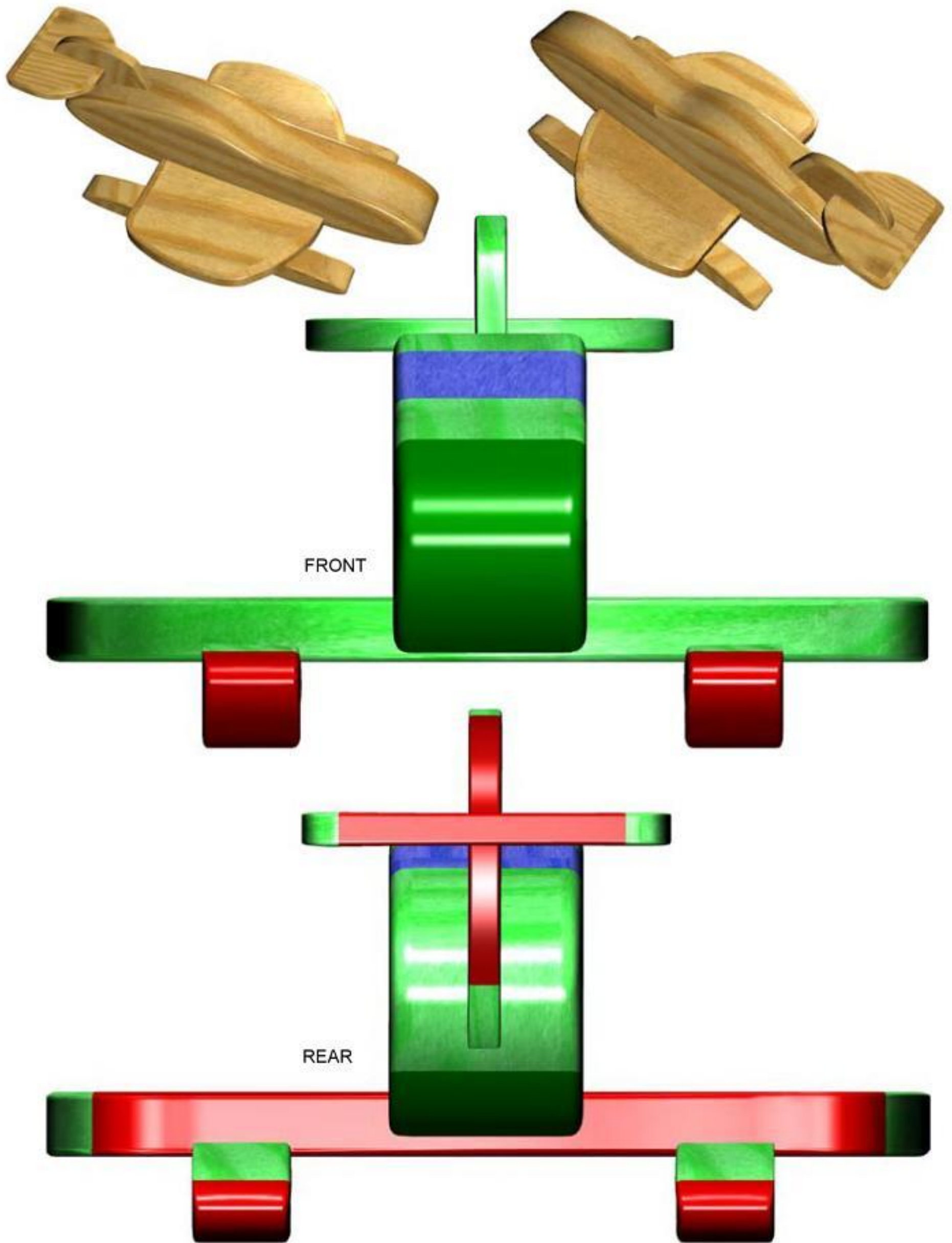


AERO SPEEDER









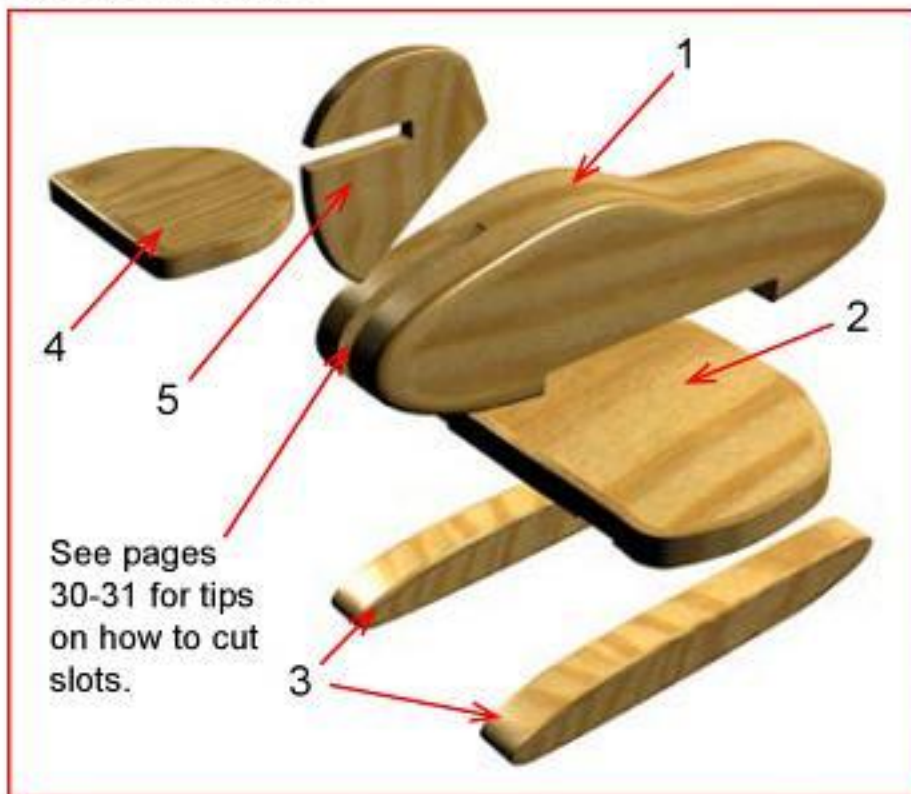
NOTE: Patterns shown are full size.

BUILD TOY AIRPLANES



NOTE: Add radius to edges with sandpaper or router.

BUILD TOY AIRPLANES



PRIVATE EYE



actual size

TOP

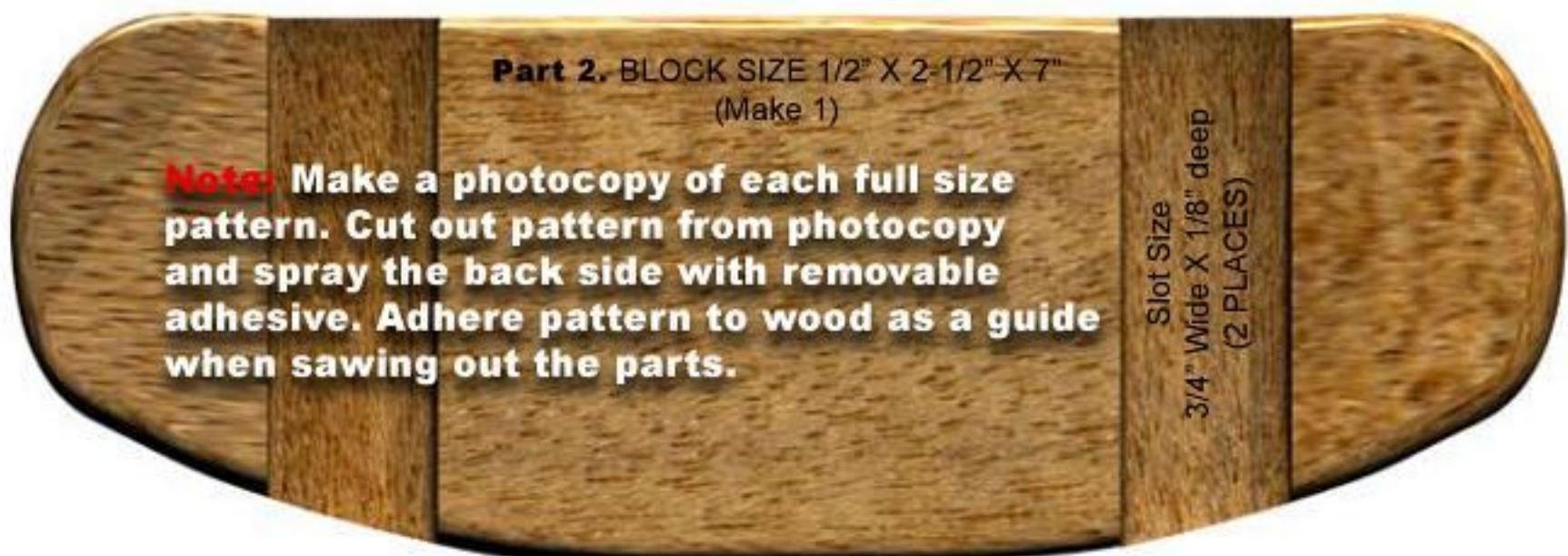
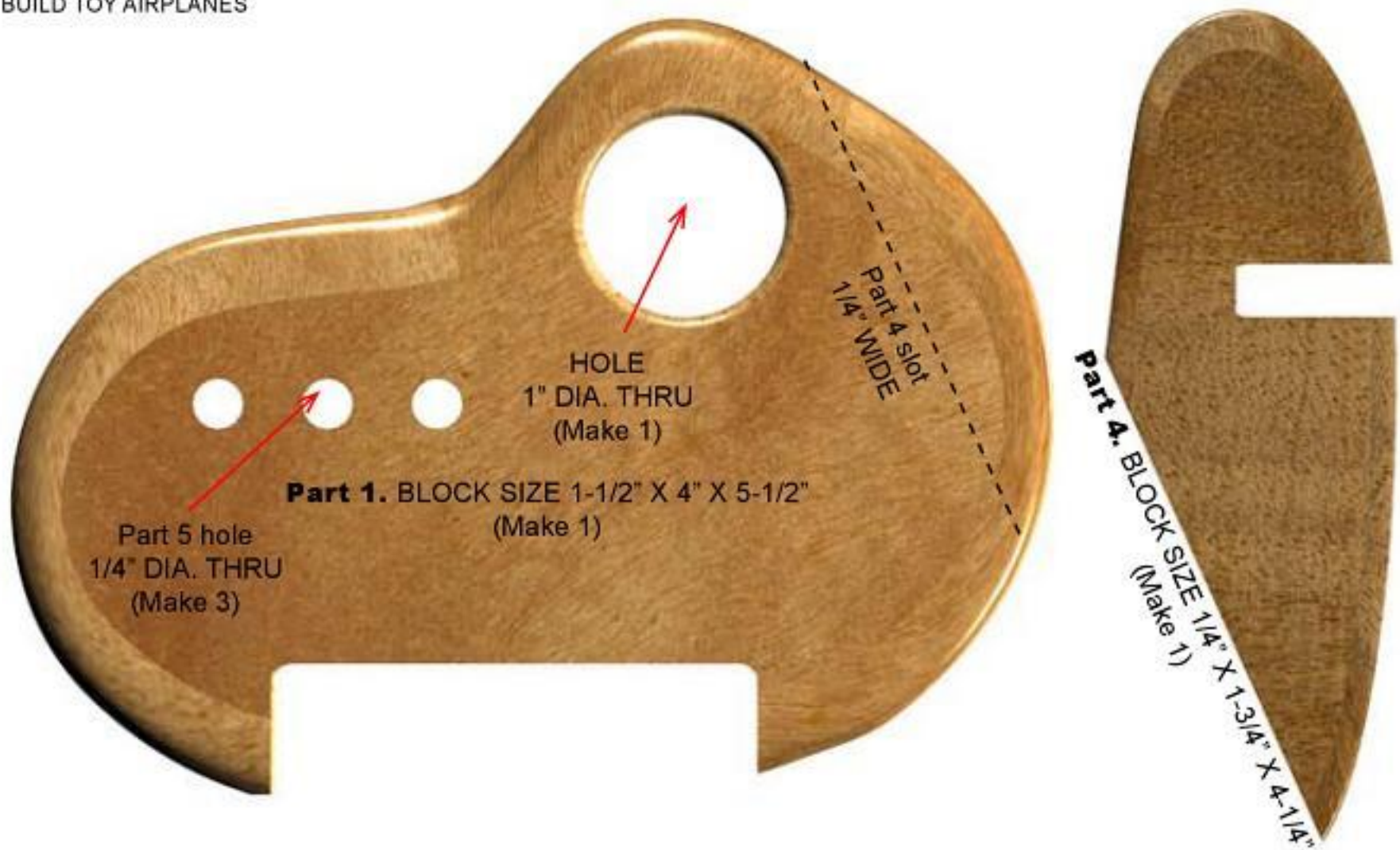
FRONT

REAR

SIDE

actual size

NOTE: Patterns shown are full size.



NOTE: All dimensions are for block size prior to cutting to shape.

NOTE: Add radius to edges with sandpaper or router.

BUILD TOY AIRPLANES

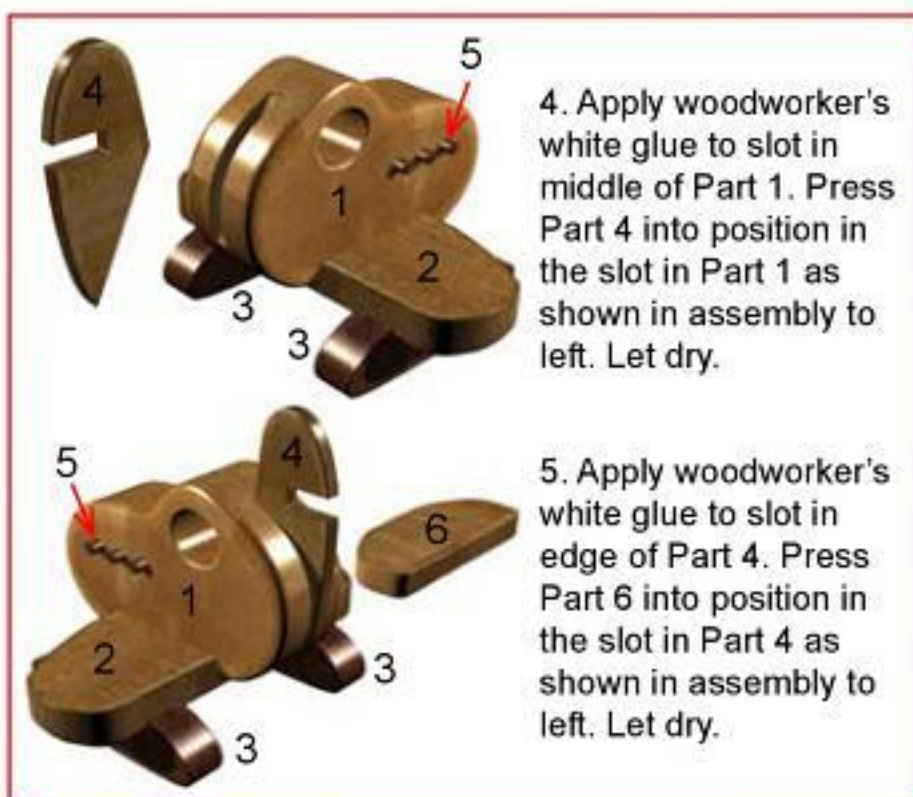
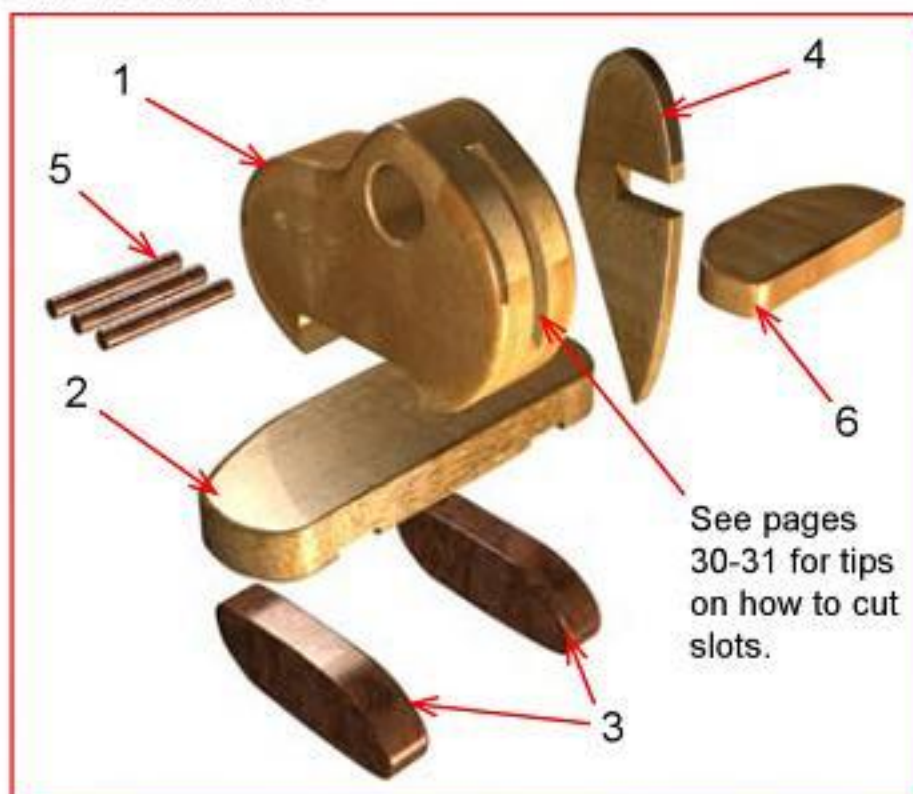
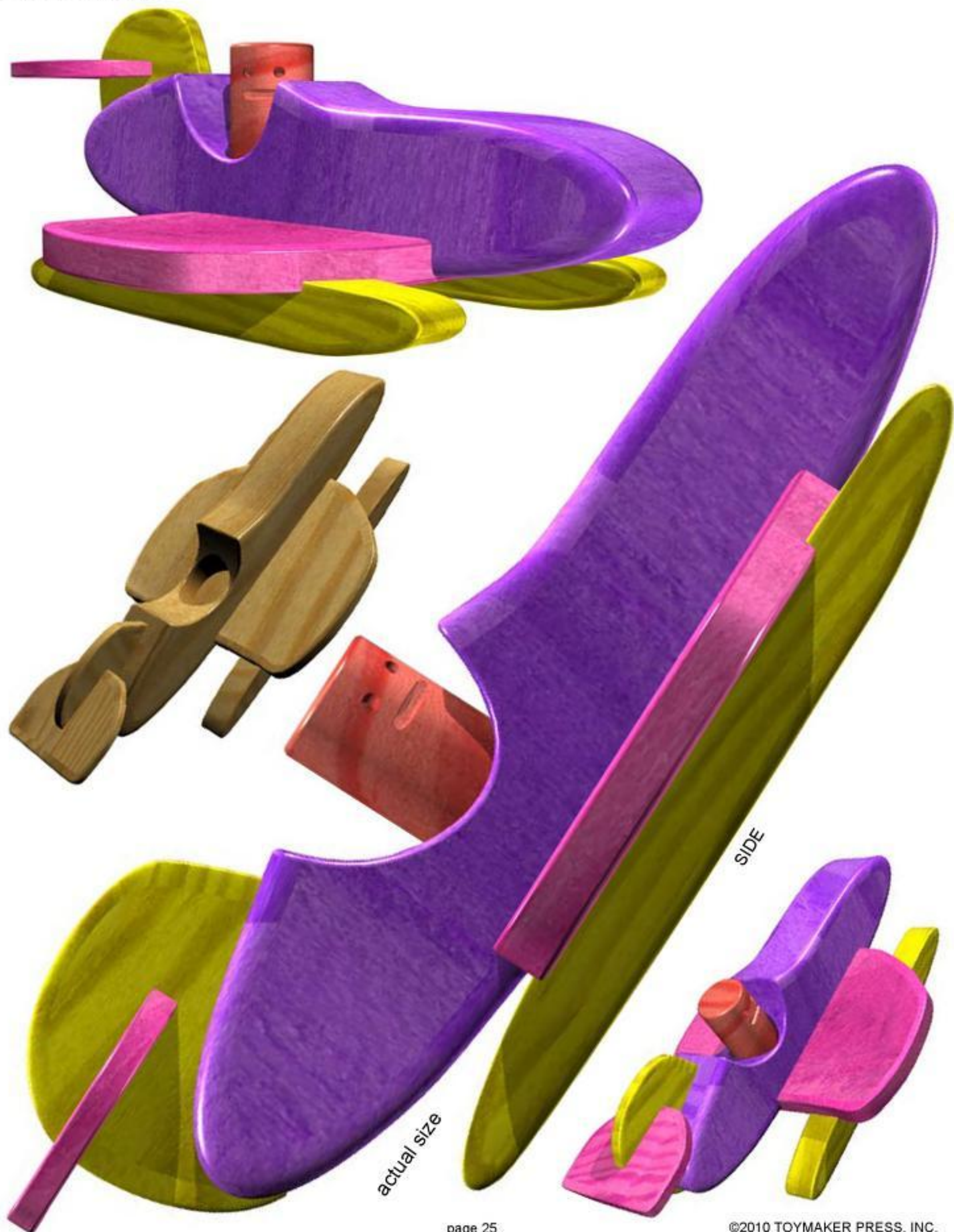
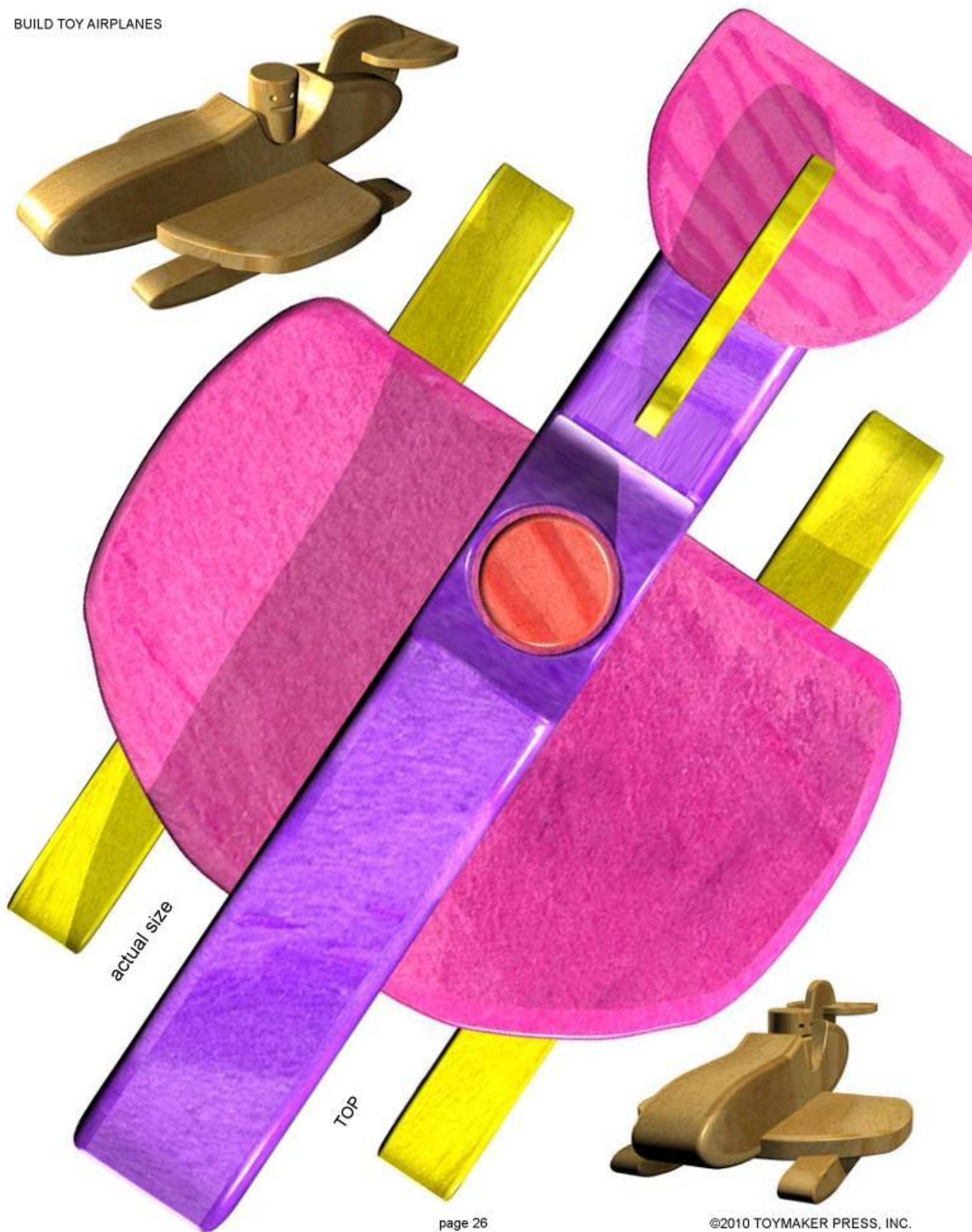
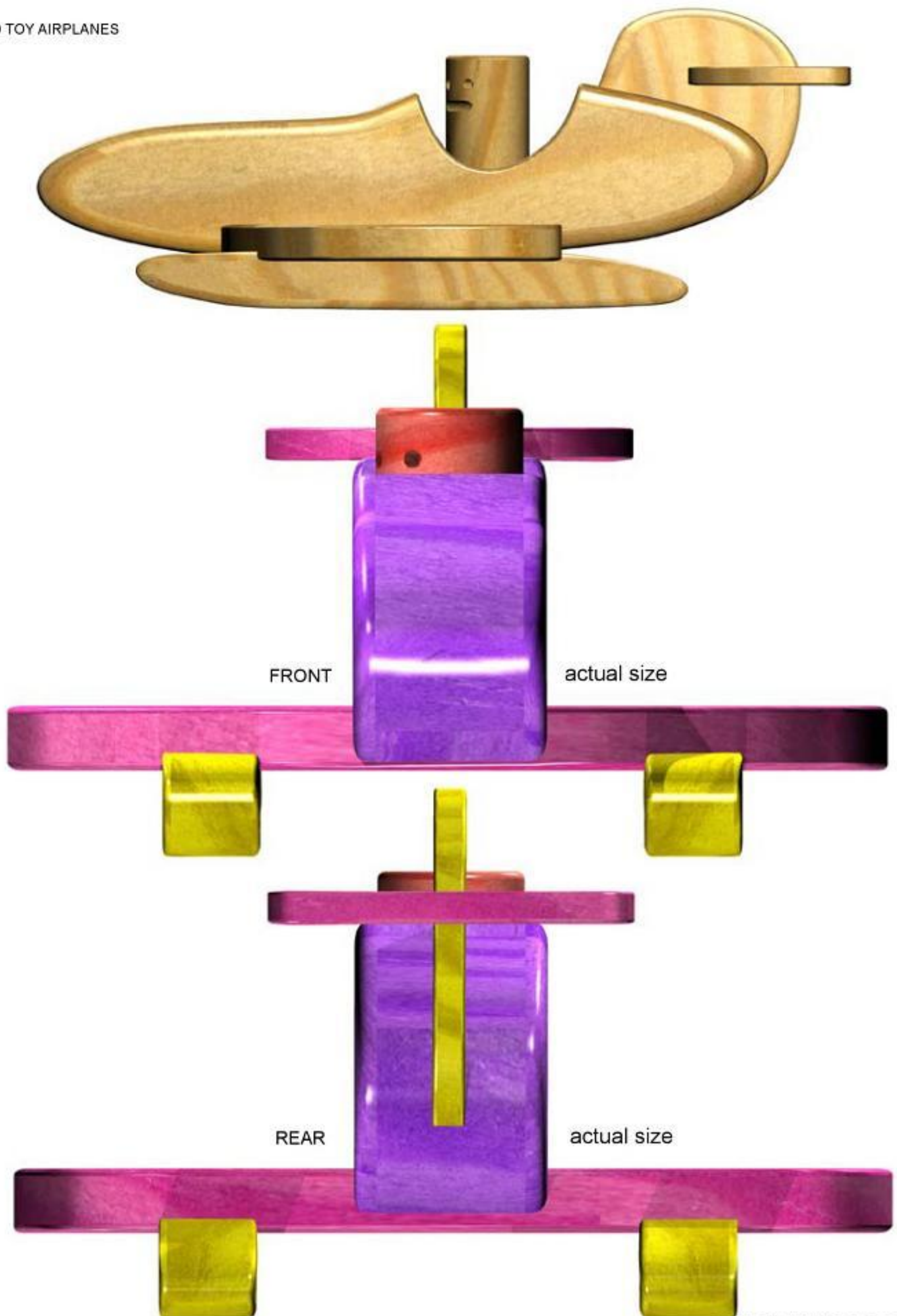


FIGURE EIGHT









NOTE: Patterns shown are full size.

Part 2. BLOCK SIZE 1/2" X 5" X 7"
(Make 1)

Note: Make a photocopy of each full size pattern. Cut out pattern from photocopy and spray the back side with removable adhesive. Adhere pattern to wood as a guide when sawing out the parts.

Slot Size
3/4" Wide X 1/8" Deep
(2 Places)

Part 3. BLOCK SIZE 3/4" X 1" X 8"
(Make 2)

Part 1. BLOCK SIZE 1-1/2" X 2-3/4" X 10-1/2"
(Make 1)

HOLE
1-1/4" DIA.
13/16" DEEP
from edge

Part 5. BLOCK SIZE
1/4" X 2-3/4" X 3-1/4"
(Make 1)

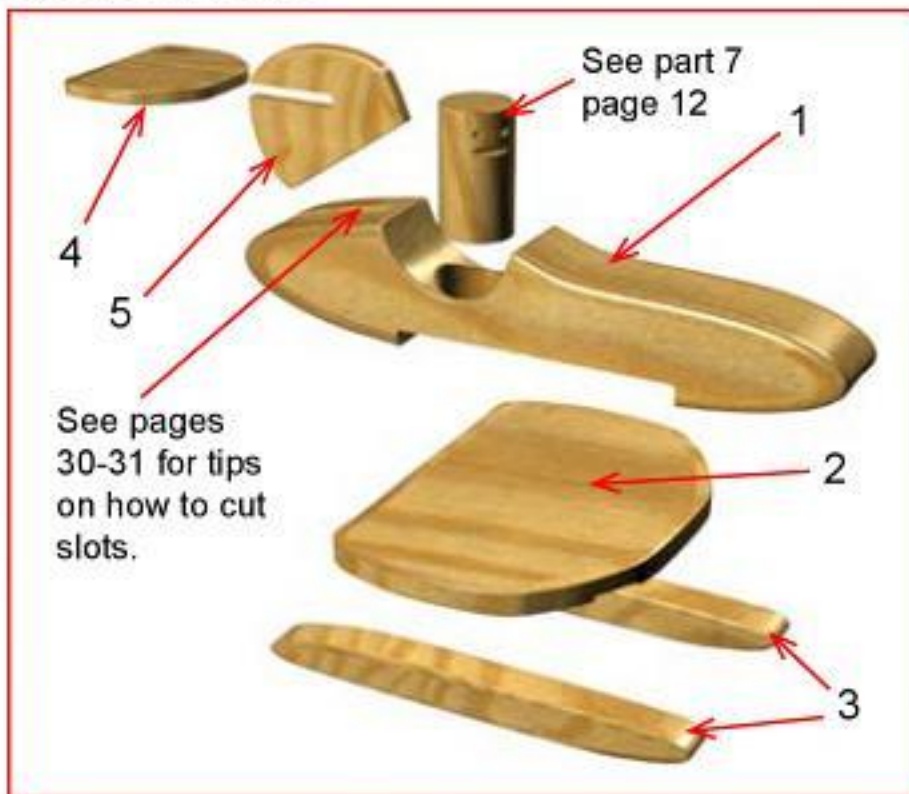
Part 4. BLOCK SIZE 1/4" X 3" X 3-3/4"
(Make 1)

Part 5 slot
1/4" WIDE

NOTE: All dimensions are for block size prior to cutting to shape.

NOTE: Add radius to edges with sandpaper or router.

BUILD TOY AIRPLANES

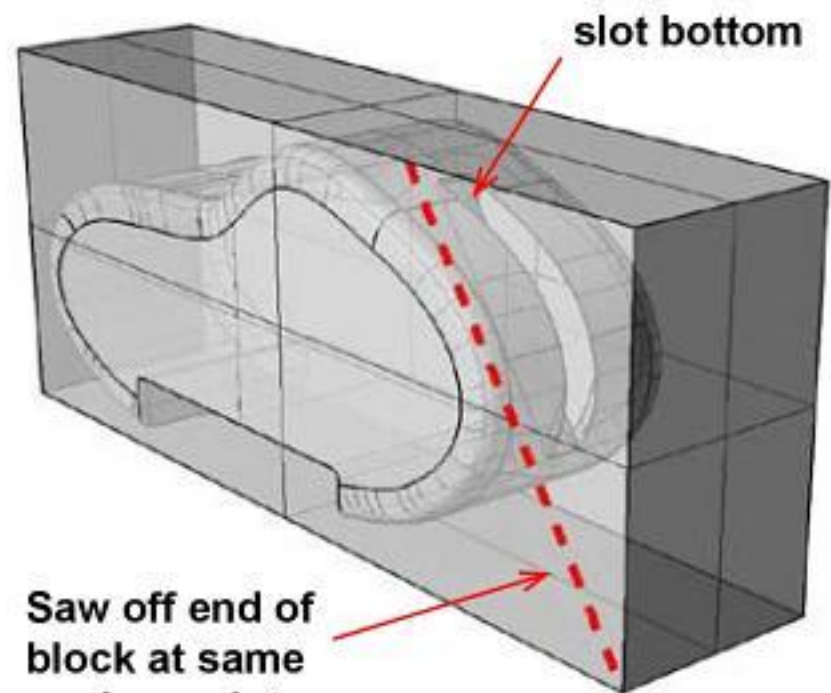
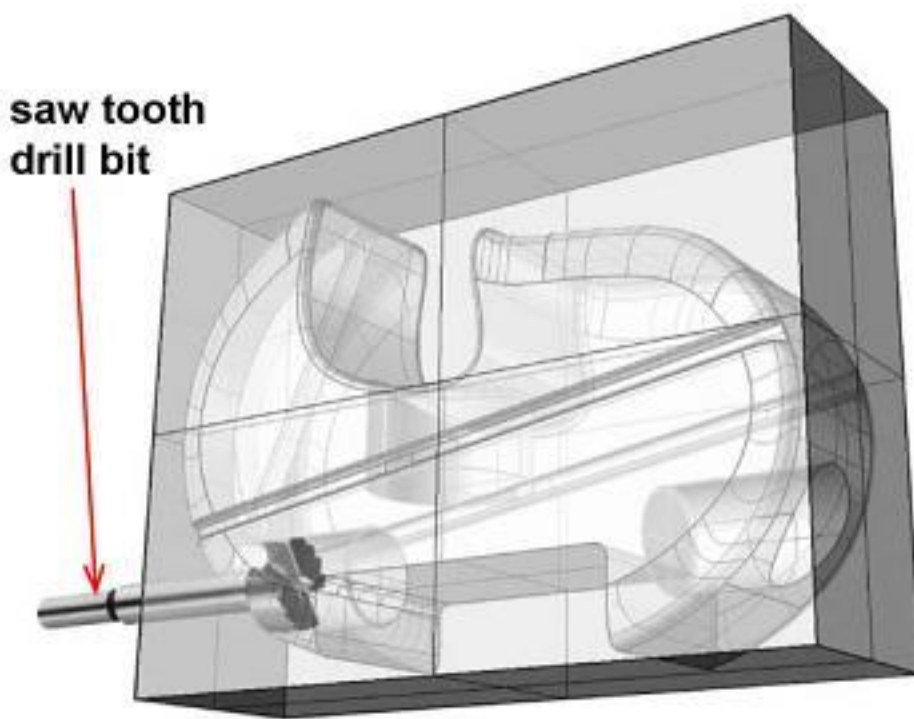


TIPS & TECHNIQUES

Create accurate holes and slots in toy airplane parts by carefully following these steps.



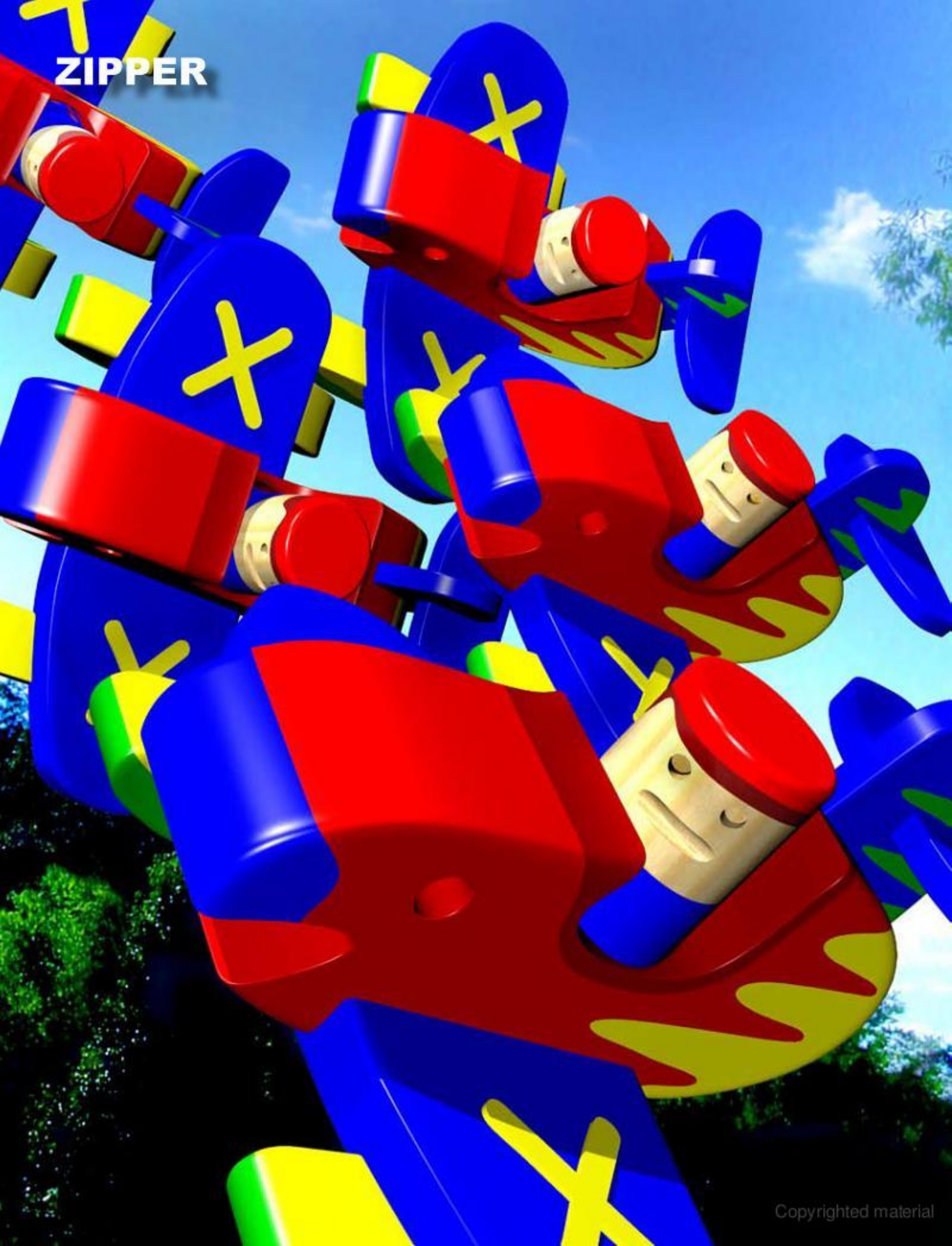
For the best results use the best tools. Drill holes in toys using a saw tooth drill bit like the one shown above. There are numerous high quality hand and power tools available for drilling and sawing. Hard wearing professional quality drill bits and saw blades are the best choices for long production runs.

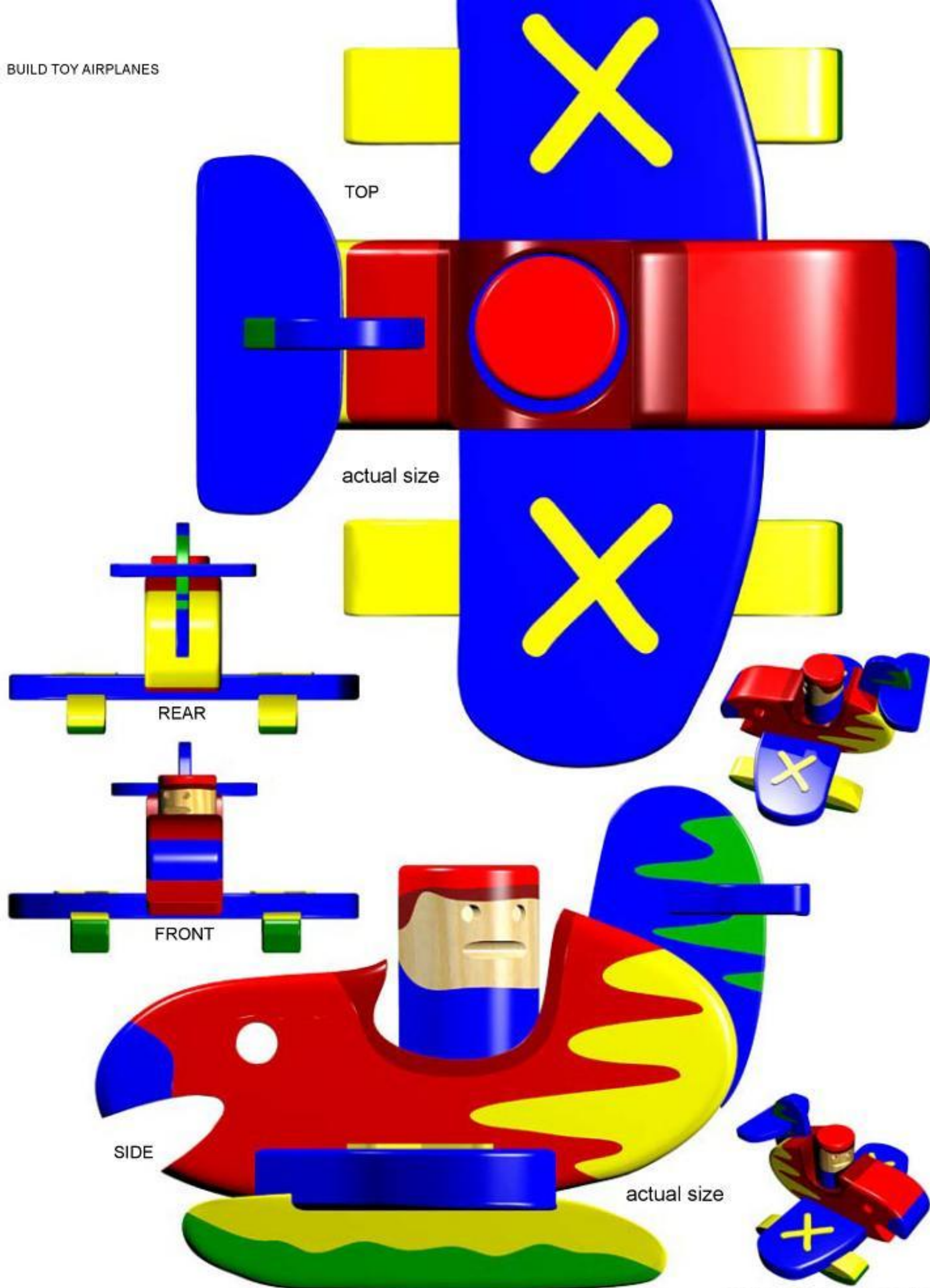


Make a wood block that is larger than the toy pattern. Using the pattern photocopy as a guide, mark the position of holes with a pencil or marker. Drill holes to correct depth.

Create a mark on the block with a pencil or marker at the same angle as the bottom of the slot to be sawn. The block sawing angle is shown as a red broken line in the drawing.

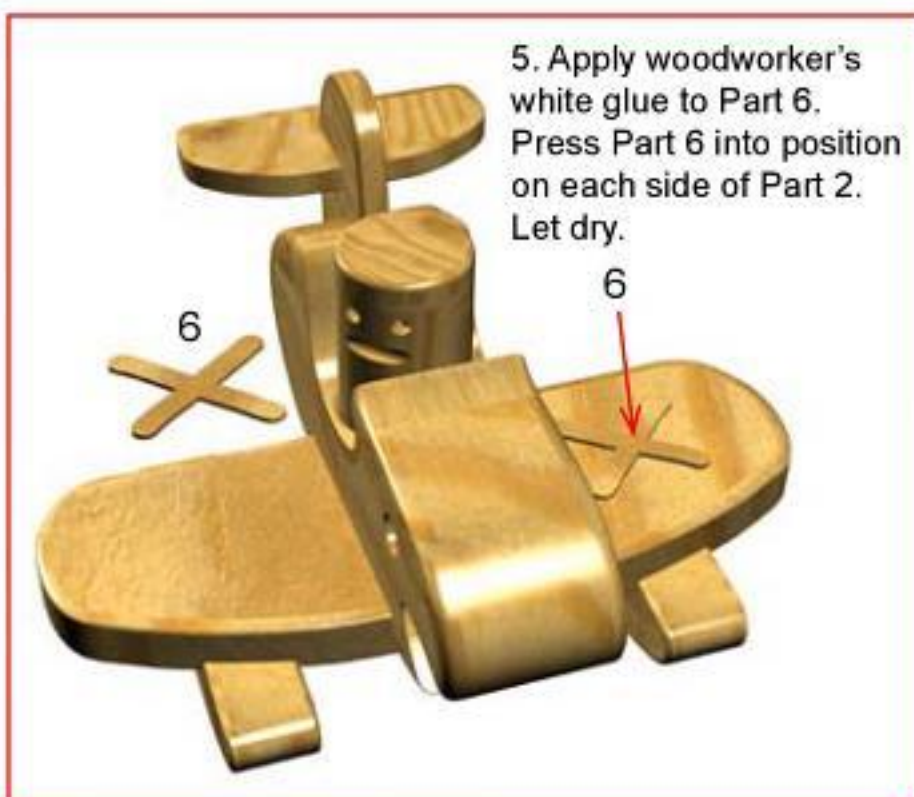
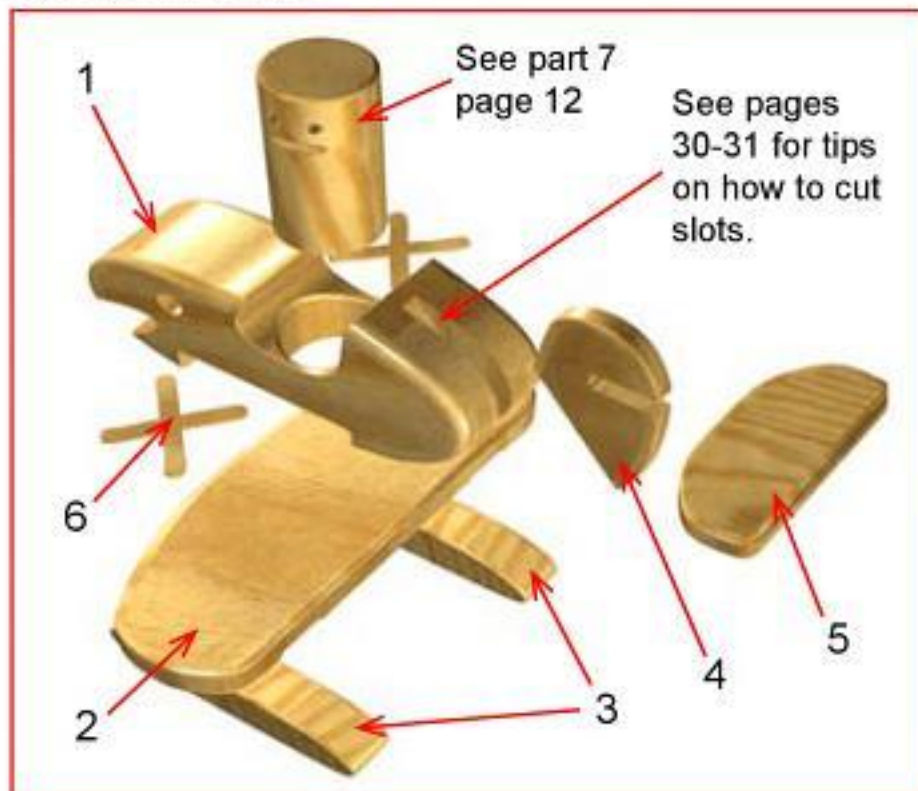
ZIPPER





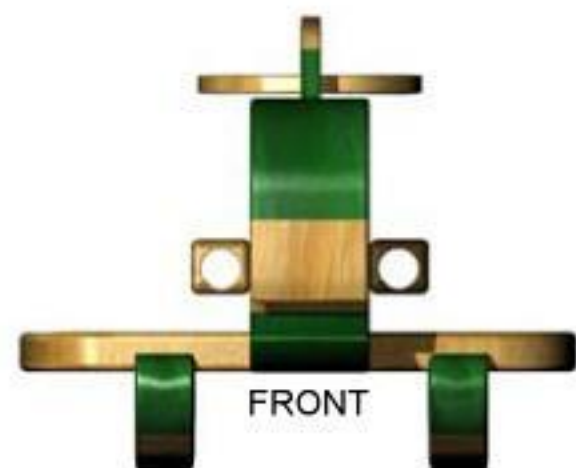
NOTE: Add radius to edges with sandpaper or router.

BUILD TOY AIRPLANES



SKY KING







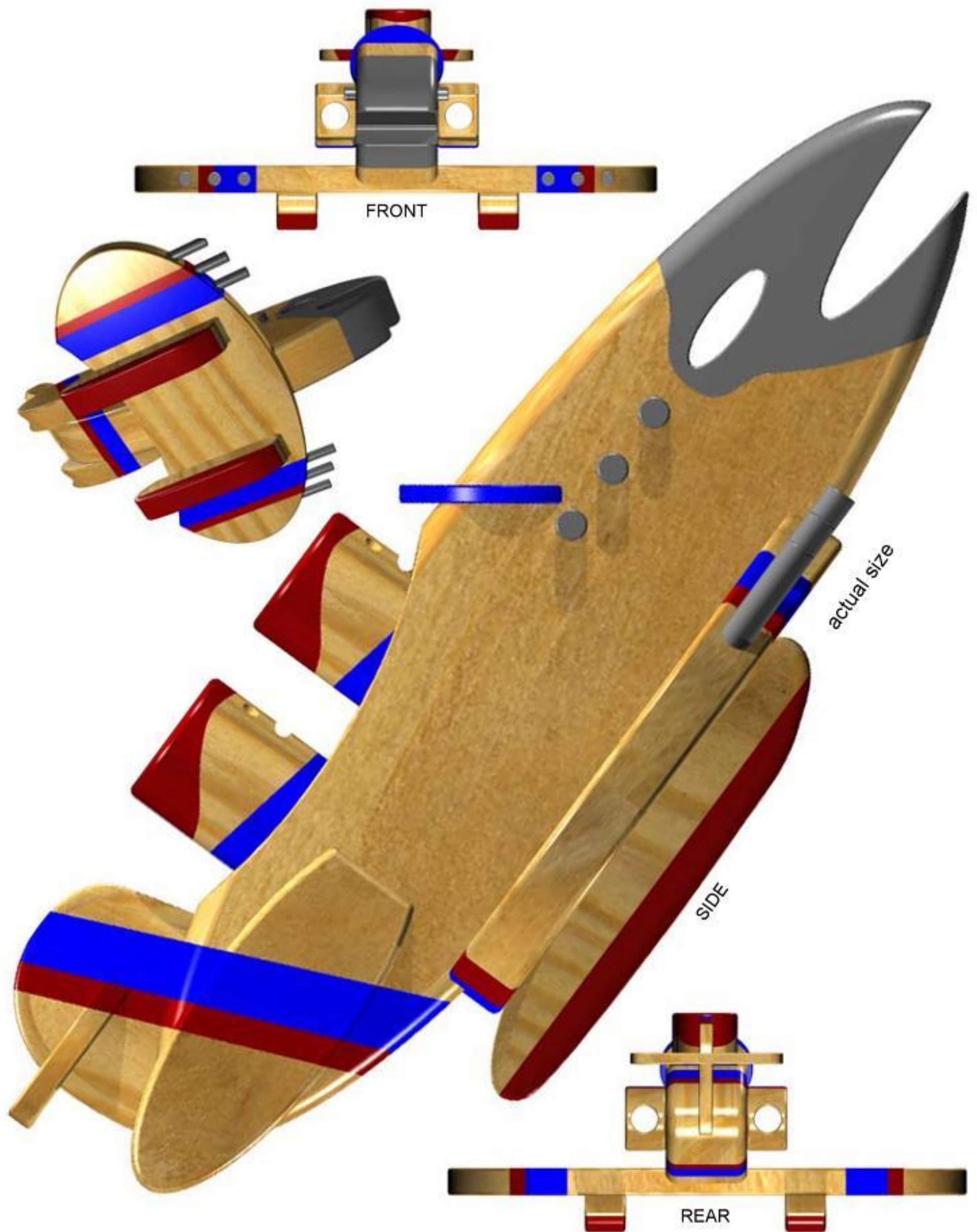
NOTE: Patterns shown are full size.



NOTE: All dimensions are for block size prior to cutting to shape.

FREEDOM FIGHTER





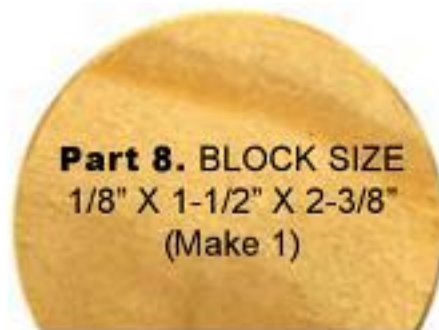


NOTE: Patterns shown are full size.

Part 10. DOWEL 1/4" DIA. X 1-7/8" (Make 3)



Part 5. BLOCK SIZE
1/4" X 2" X 2-1/2"
(Make 1)

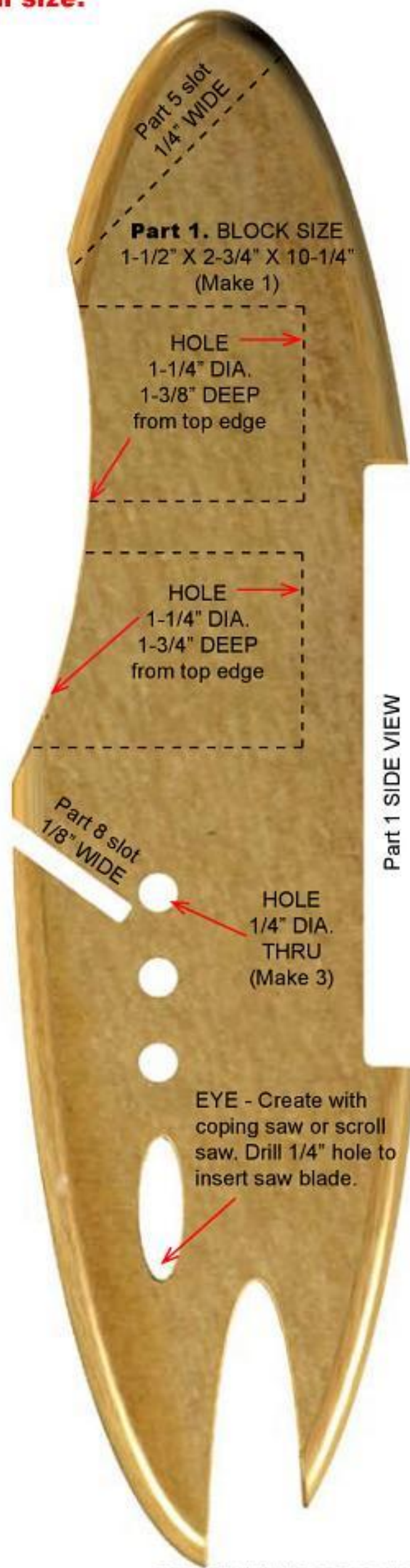


Part 8. BLOCK SIZE
1/8" X 1-1/2" X 2-3/8"
(Make 1)

Part 9. DOWEL 1/4" DIA. X 1-1/2" (Make 6)



Part 1 TOP VIEW



Part 1 SIDE VIEW

Part 5 slot
1/4" WIDE

Part 1. BLOCK SIZE
1-1/2" X 2-3/4" X 10-1/4"
(Make 1)

HOLE
1-1/4" DIA.
1-3/8" DEEP
from top edge

HOLE
1-1/4" DIA.
1-3/4" DEEP
from top edge

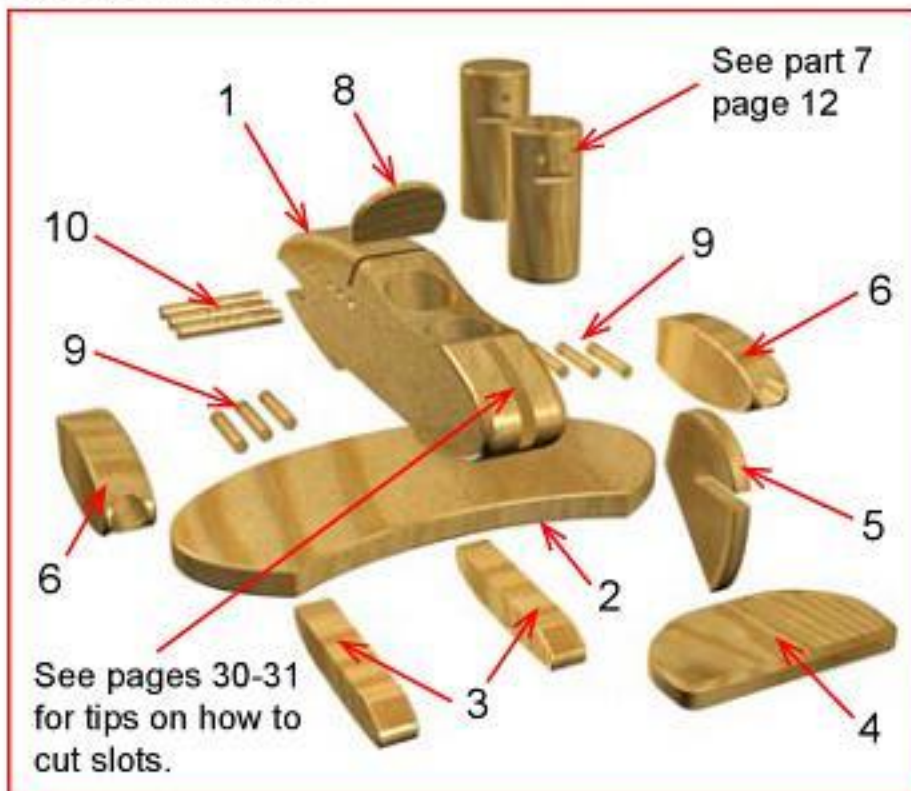
Part 8 slot
1/8" WIDE

HOLE
1/4" DIA.
THRU
(Make 3)

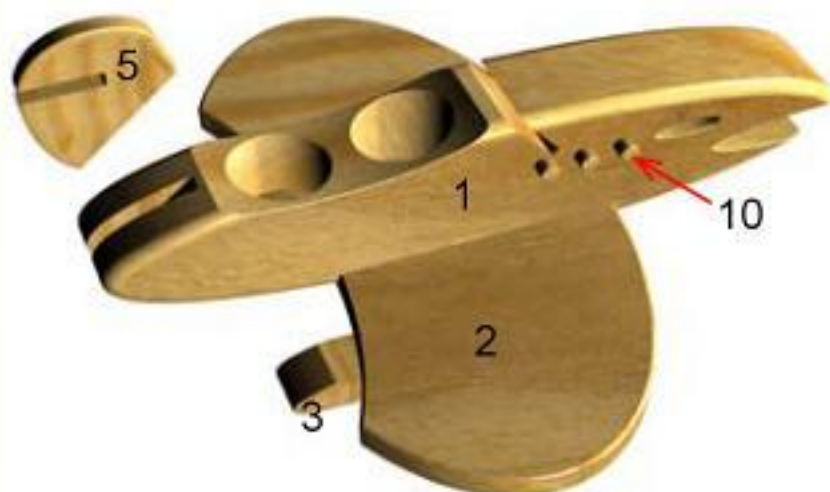
EYE - Create with
coping saw or scroll
saw. Drill 1/4" hole to
insert saw blade.

NOTE: All dimensions are for block size prior to cutting to shape.

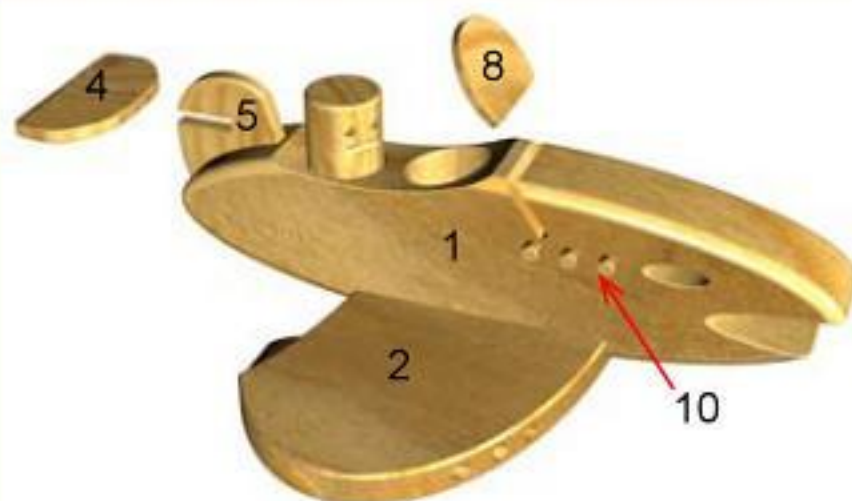
NOTE: Add radius to edges with sandpaper or router.



1. Add woodworker's white glue to top of Part 3. Press Part 3 in place in two positions on bottom of Part 2. Let dry before proceeding.



2. Apply woodworker's white glue to large slot in bottom of Part 1. Press Part 1 into position in the middle of the assembly shown above. Let dry. Apply glue to 3 holes in side of Part 1. Press Part 10 into position in 3 places in Part 1. Let dry.



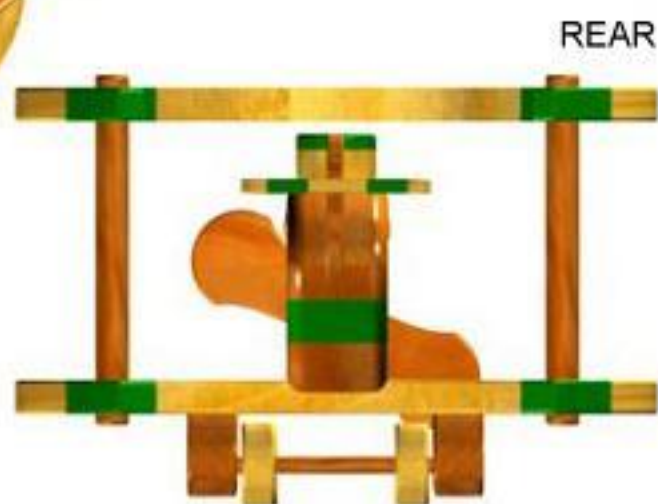
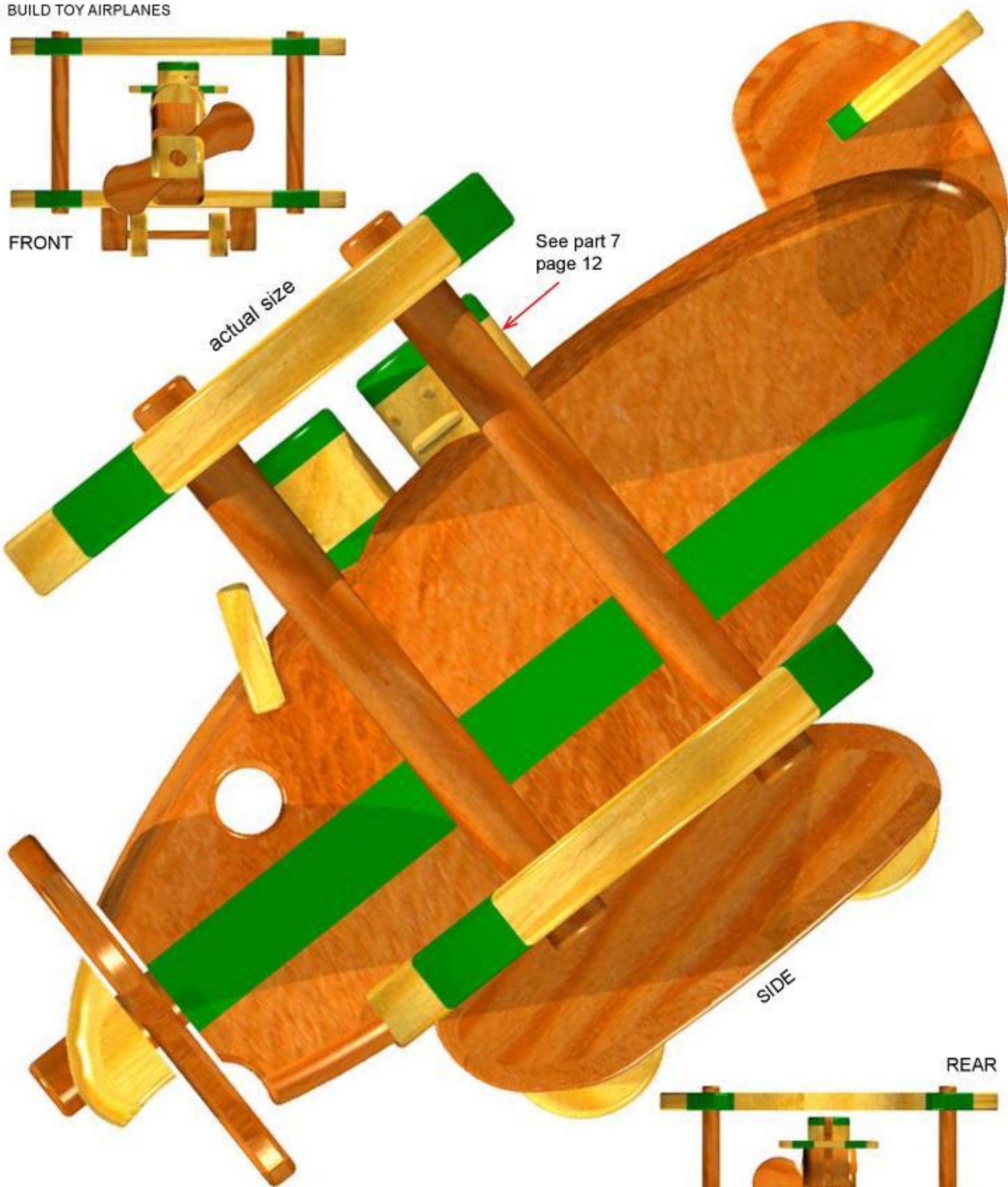
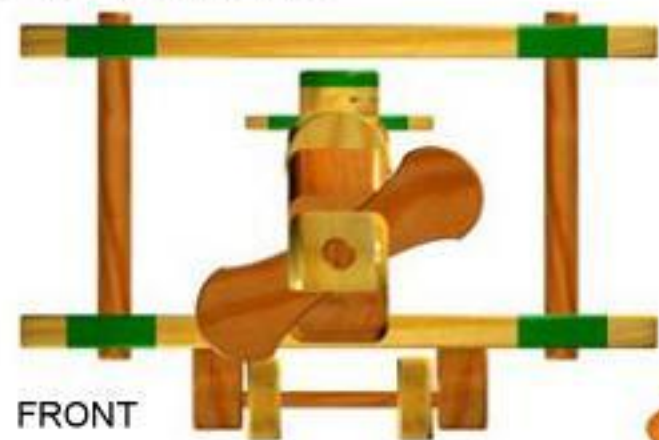
3. Apply woodworker's white glue to both slots in top of Part 1. Press Parts 5 & 8 into position in Part 1 as shown above. Let dry. Apply glue to slot in Part 5. Press Part 4 into position in Part 5. Let dry before proceeding.

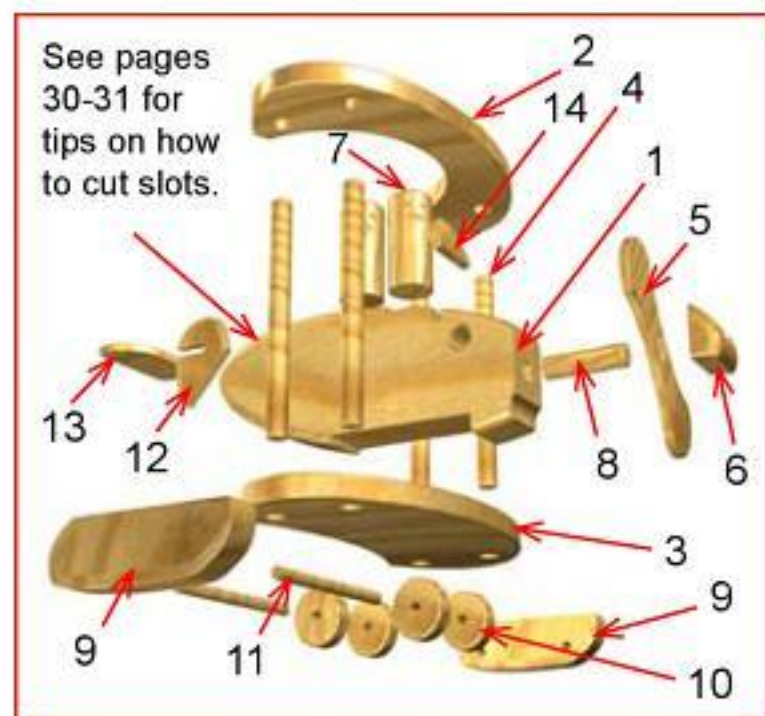


4. Apply woodworker's white glue to inside edges of Part 6. Press Part 6 into position on each side of Part 1 as shown at left. Let dry.

5. Apply a spot of woodworker's white glue to 6 holes in front edge of Part 2. Press Part 9 into 6 holes in edge of Part 2. Let dry.







TOP

See part 7
page 12



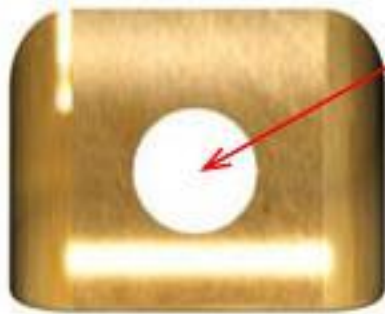
Note: Clamp Part 2 and Part 3 together and then drill 4 holes to create perfectly aligned holes for inserting Part 4.

actual size



NOTE: Patterns shown are full size.

BUILD TOY AIRPLANES



HOLE
1/2" DIA.
THRU

Part 6. BLOCK SIZE 3/4" X 1-1/4" X 1-1/2"
(Make 1)



Part 12. BLOCK
SIZE 1/4" X 2" X
2-1/2"
(Make 1)



Part 13. BLOCK SIZE
1/4" X 1-1/2" X 3"
(Make 1)

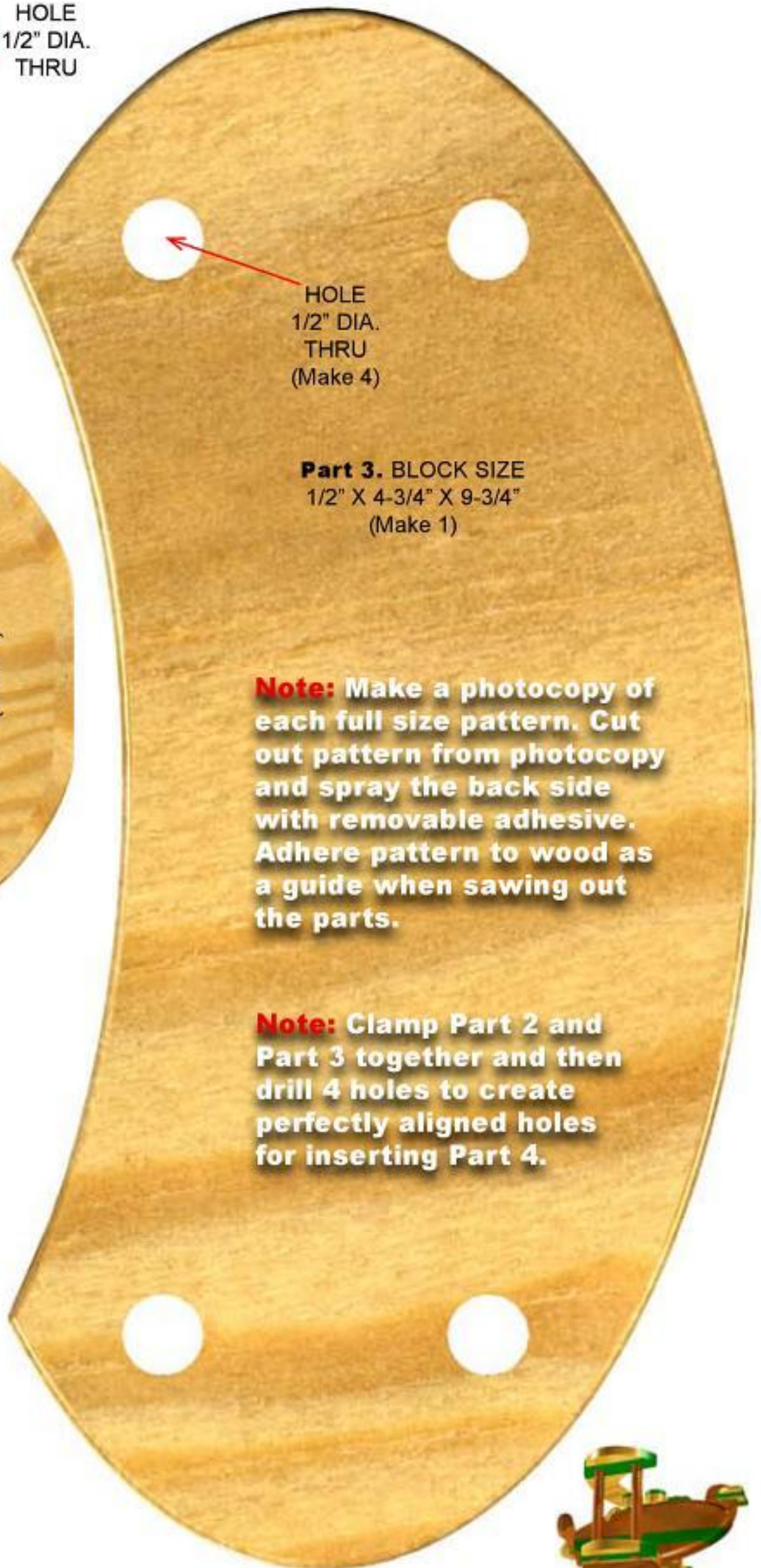


Part 4. DOWEL 1/2" X 5-1/4" (Make 4)



Part 5. BLOCK SIZE
1/4" X 1-1/2" X 4-1/2"
(Make 1)

HOLE
9/16" DIA.
THRU



HOLE
1/2" DIA.
THRU
(Make 4)

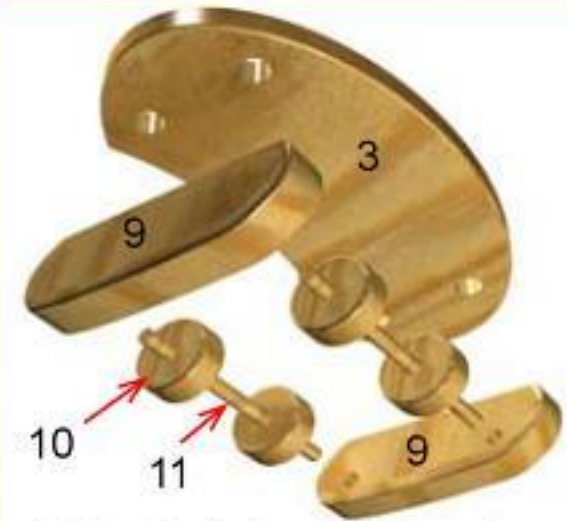
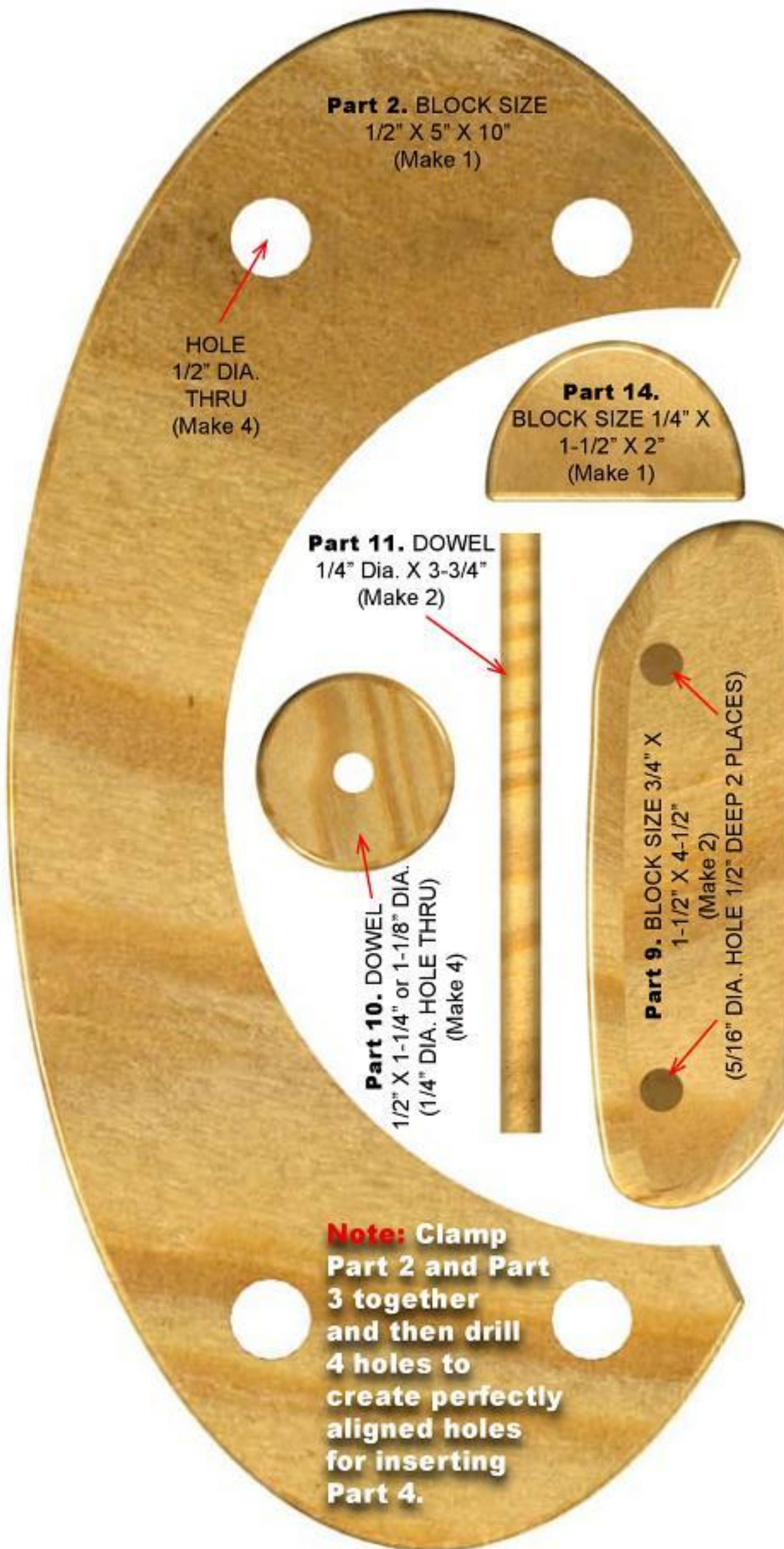
Part 3. BLOCK SIZE
1/2" X 4-3/4" X 9-3/4"
(Make 1)

Note: Make a photocopy of each full size pattern. Cut out pattern from photocopy and spray the back side with removable adhesive. Adhere pattern to wood as a guide when sawing out the parts.

Note: Clamp Part 2 and Part 3 together and then drill 4 holes to create perfectly aligned holes for inserting Part 4.

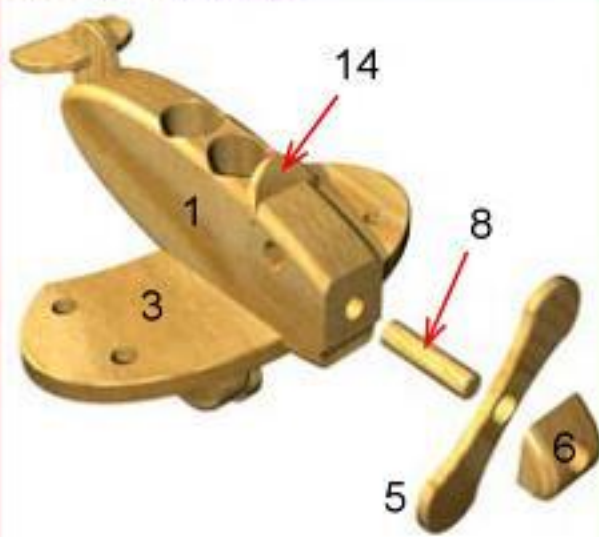


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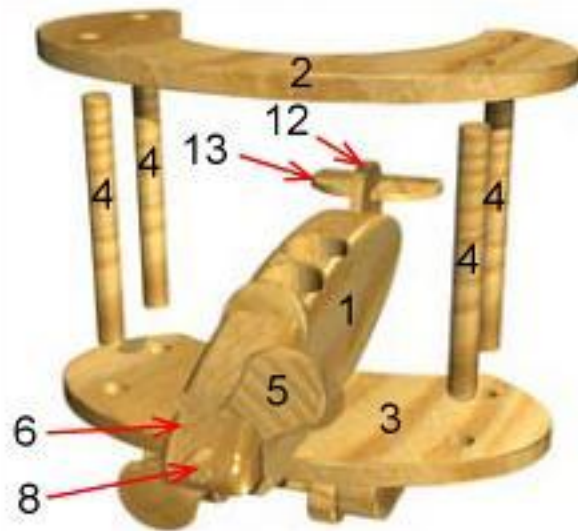


NOTE: Add radius to edges with sandpaper or router.

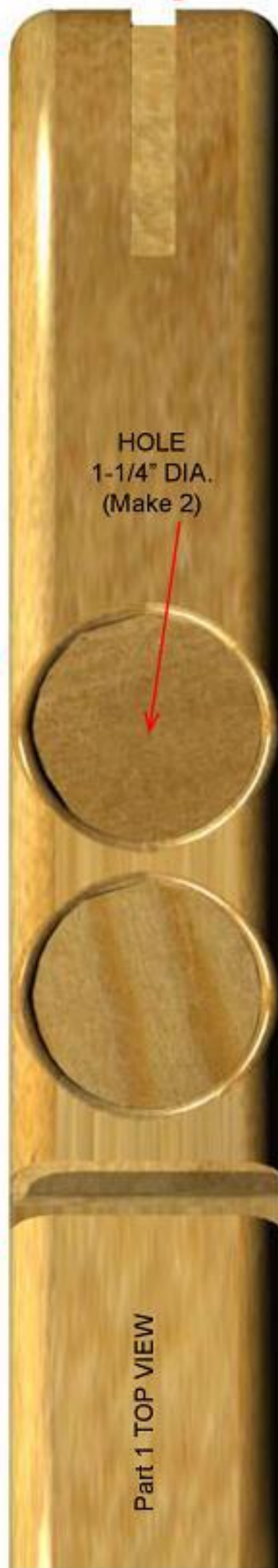
BUILD TOY AIRPLANES



4. Apply woodworker's white glue to hole in front of Part 1. Press Part 8 into position into hole. Slide Part 5 over Part 8. Part 5 rotates freely. Add glue to end of Part 6. Press Part 6 onto Part 8. Let dry.



5. Apply woodworker's white glue to each end of each Part 4. Press each Part 4 into position in holes in Part 3. Press Part 2 over each Part 4. Let dry.

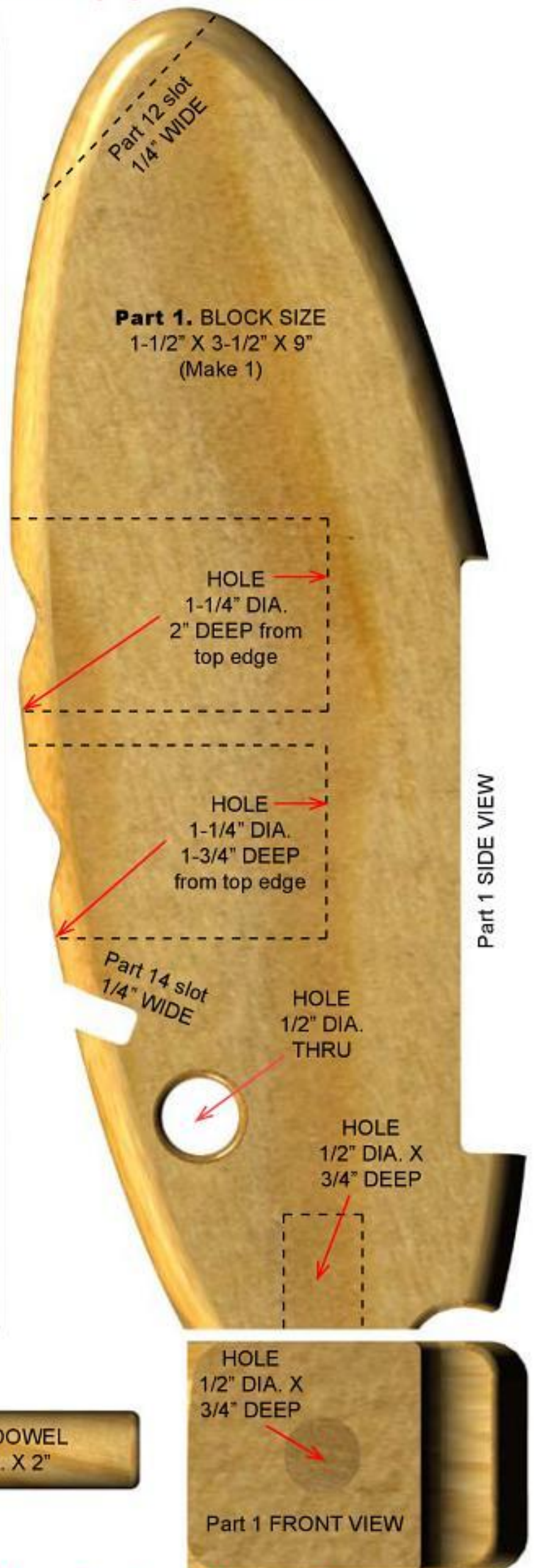


HOLE
1-1/4" DIA.
(Make 2)

Part 1 TOP VIEW



Part 8. DOWEL
1/2" DIA. X 2"



Part 1. BLOCK SIZE
1-1/2" X 3-1/2" X 9"
(Make 1)

Part 12 slot
1/4" WIDE

HOLE
1-1/4" DIA.
2" DEEP from
top edge

HOLE
1-1/4" DIA.
1-3/4" DEEP
from top edge

Part 14 slot
1/4" WIDE

HOLE
1/2" DIA.
THRU

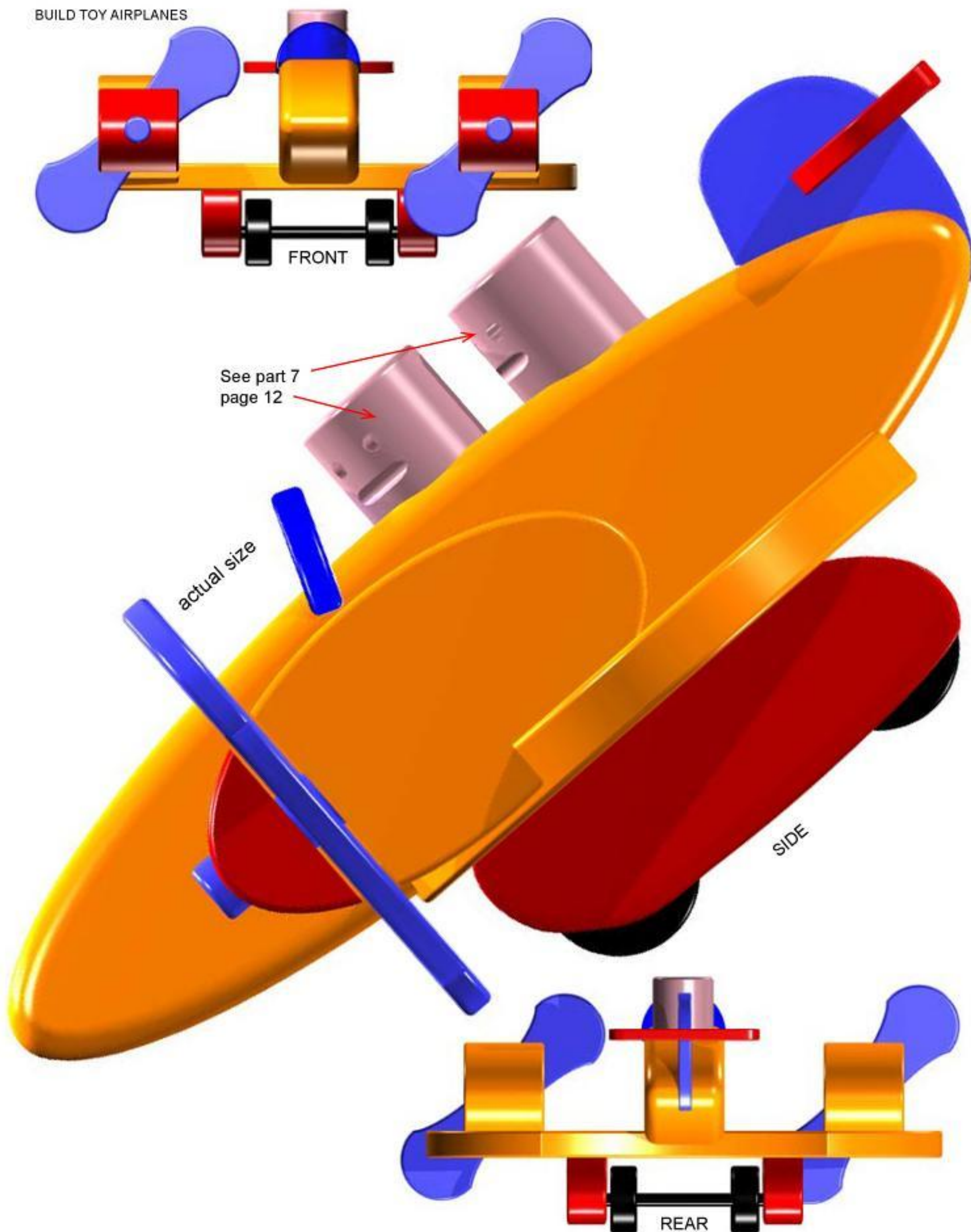
HOLE
1/2" DIA. X
3/4" DEEP

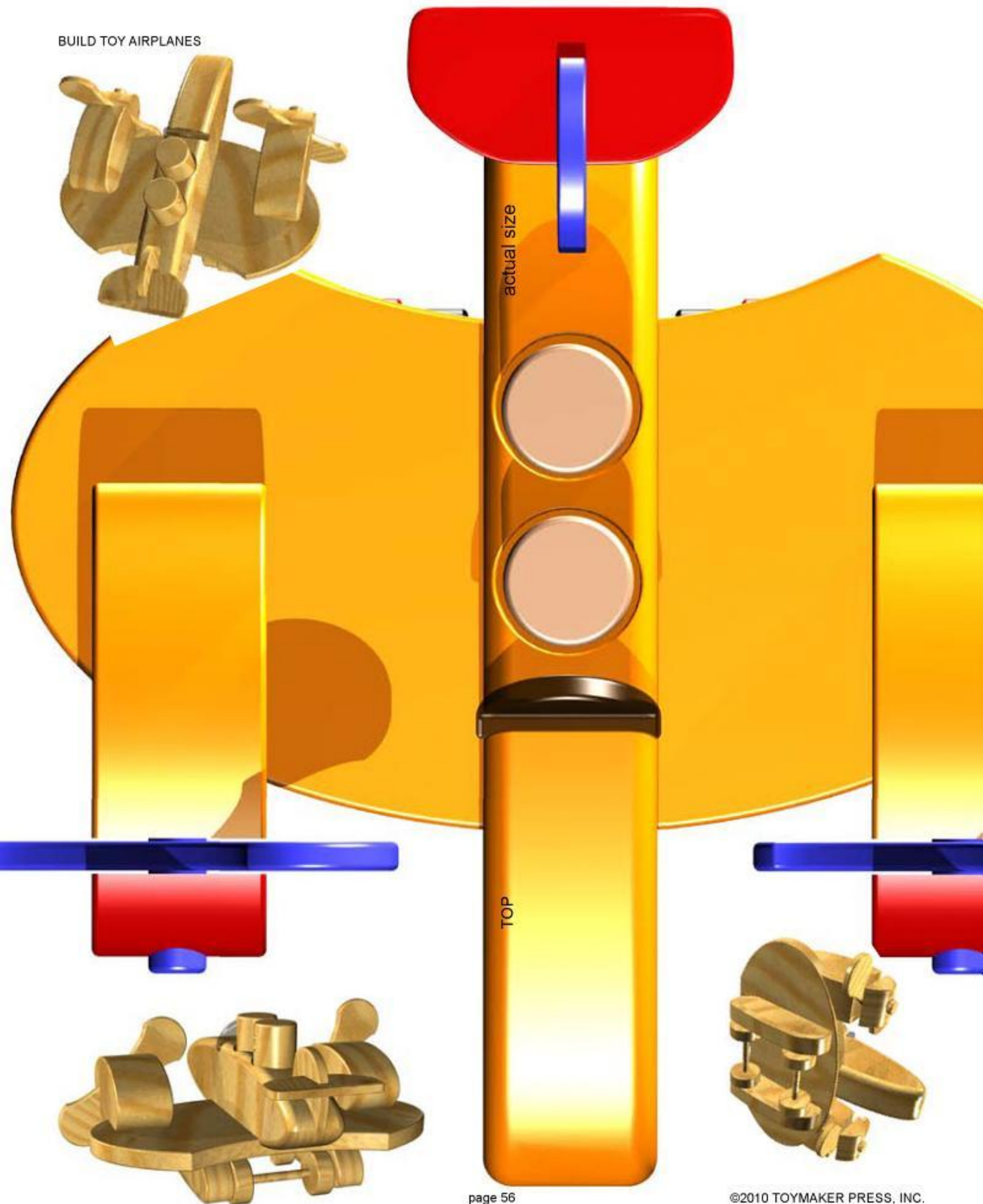
HOLE
1/2" DIA. X
3/4" DEEP

Part 1 FRONT VIEW

SPORT TWIN







NOTE: Patterns shown are full size.

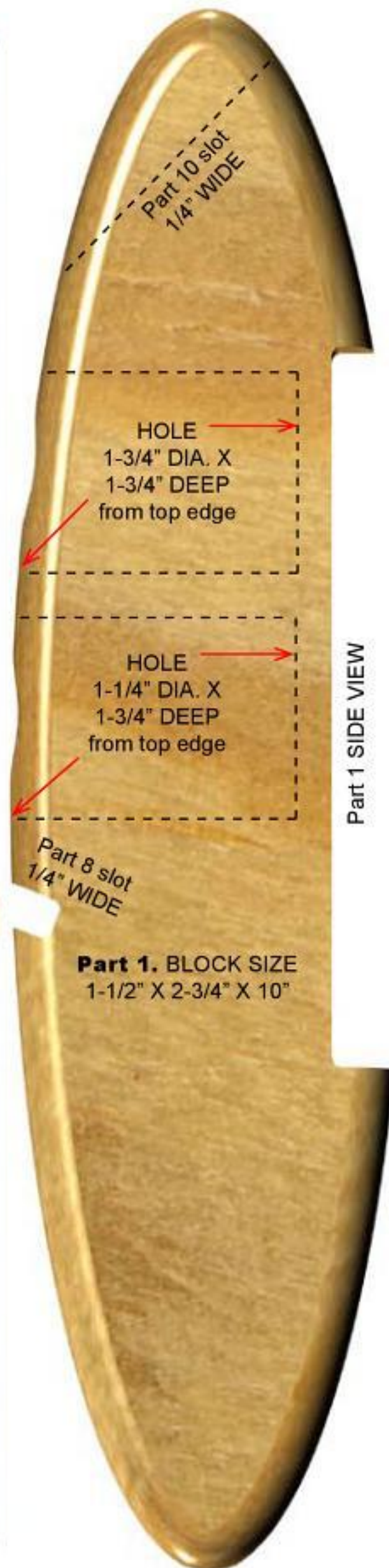
BUILD TOY AIRPLANES



Part 7. BLOCK SIZE
3/4" X 1-1/2" X 1-9/16"
(Make 2)



Part 4. DOWEL 1/4" DIA. X 3-3/4" (Make 2)



NOTE: Patterns shown are full size.



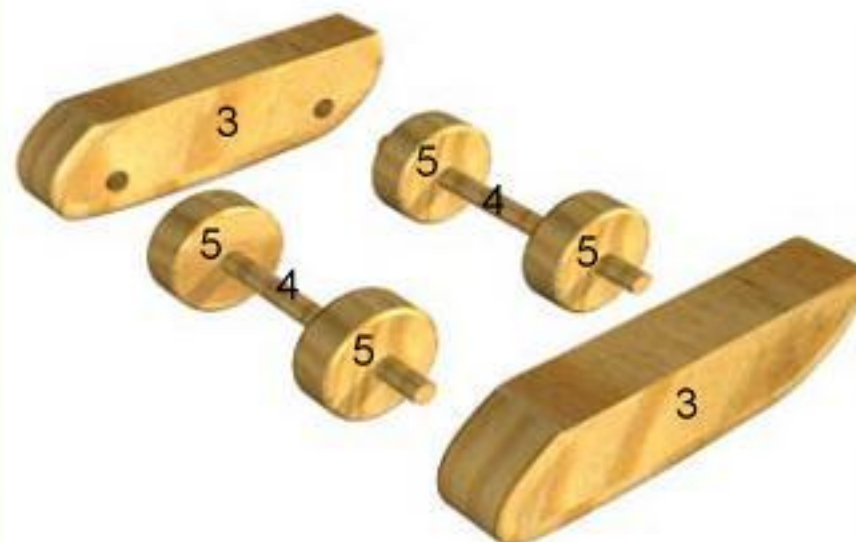
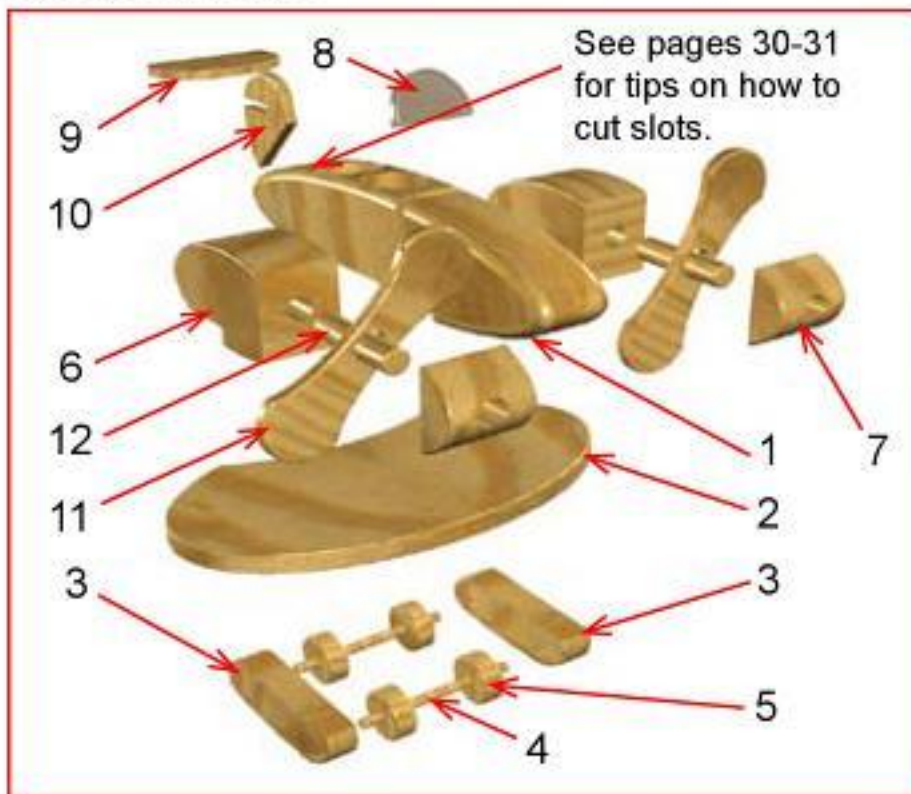
Note: Make a photocopy of each full size pattern. Cut out pattern from photocopy and spray the back side with removable adhesive. Adhere pattern to wood as a guide when sawing out the parts.



NOTE: All dimensions are for block size prior to cutting to shape.

NOTE: Add radius to edges with sandpaper or router.

BUILD TOY AIRPLANES



1. Glue 4 wheels (Part 5) solidly to axles (Part 4) as shown using woodworker's white glue. Axles rotate freely in Part 3.



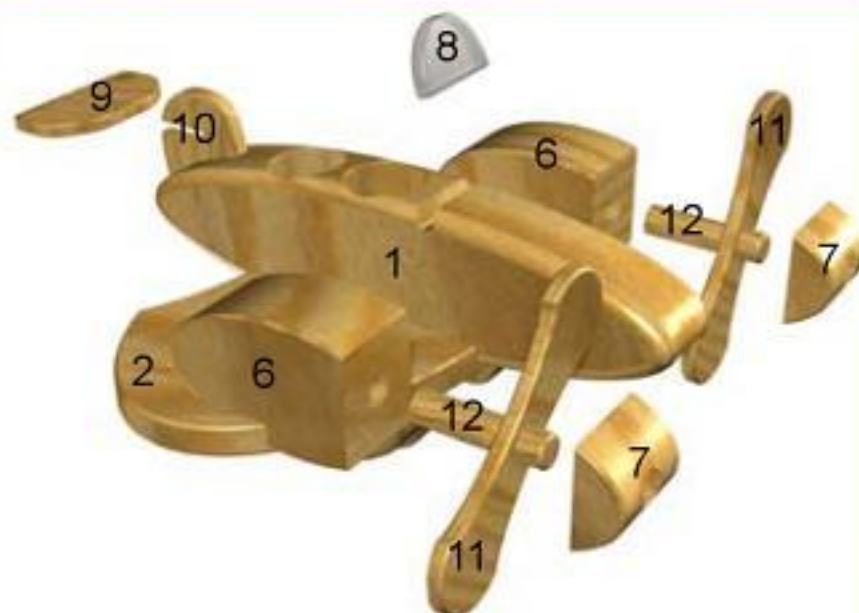
2. Add woodworker's white glue to tops of Part 3. Press Part 3 in place on bottom of Part 2 with axles turning smoothly. Let dry before proceeding.



3. Apply woodworker's white glue to wide slot in bottom of Part 1. Press Part 1 into position in the middle of the assembly as shown above. Let dry.



4. Apply woodworker's white glue to rear slot in Part 1. Insert Part 10 into rear slot in Part 1. Let dry. Apply glue to bottoms of Part 6. Press Part 6 into position on Part 2. Refer to Step 5: Apply glue to slot in Part 10. Insert Part 9 into Part 10. Insert Part 8 into slot in top of Part 1. Let dry.



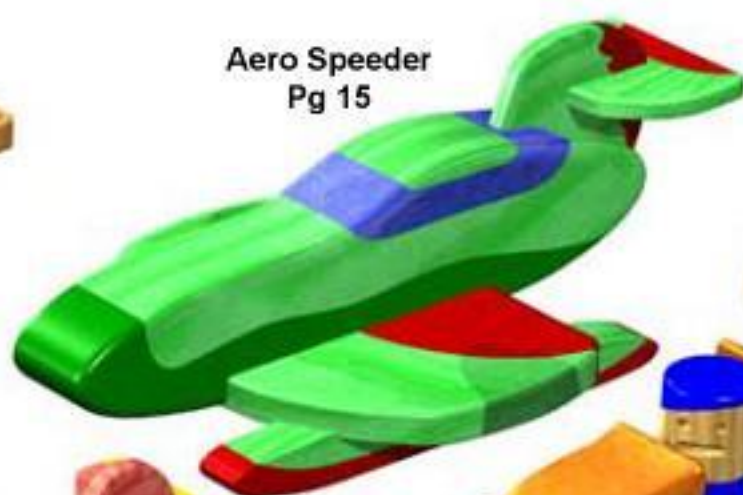
5. Apply woodworker's white glue to hole in front of each Part 6. Press Part 12 into position into each hole. Slide Part 11 over Part 12. Propellers rotate freely on shaft. Add glue to end of Part 12. Press Part 7 onto Part 12. Let dry.



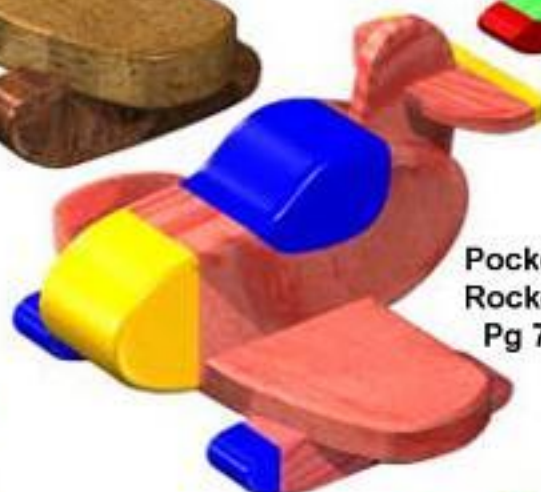
Stunt Rider
Pg 49



Private Eye
Pg 21

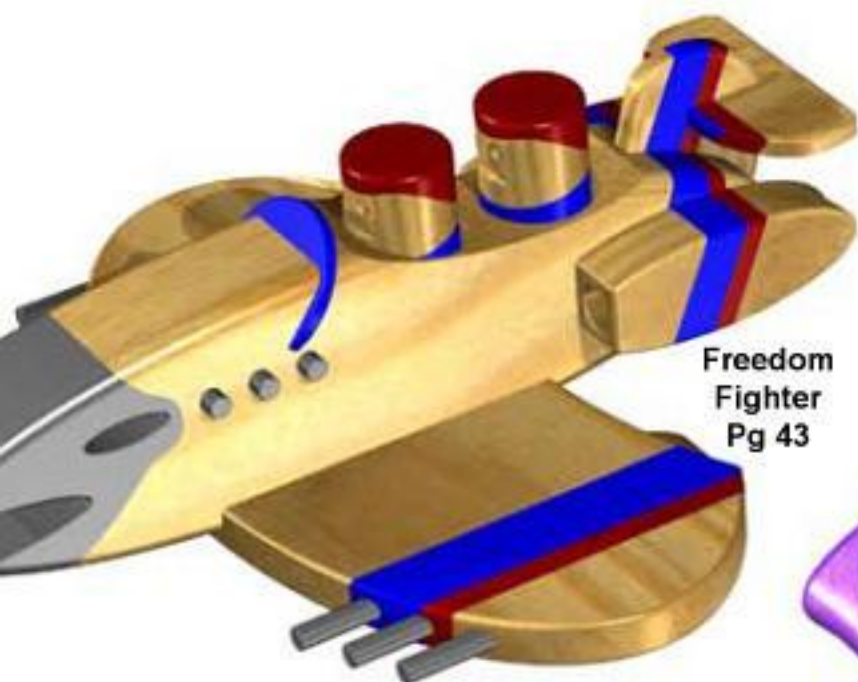


Aero Speeder
Pg 15



Pocket
Rocket
Pg 7

Cloud
Chaser
Pg 11



Freedom
Fighter
Pg 43

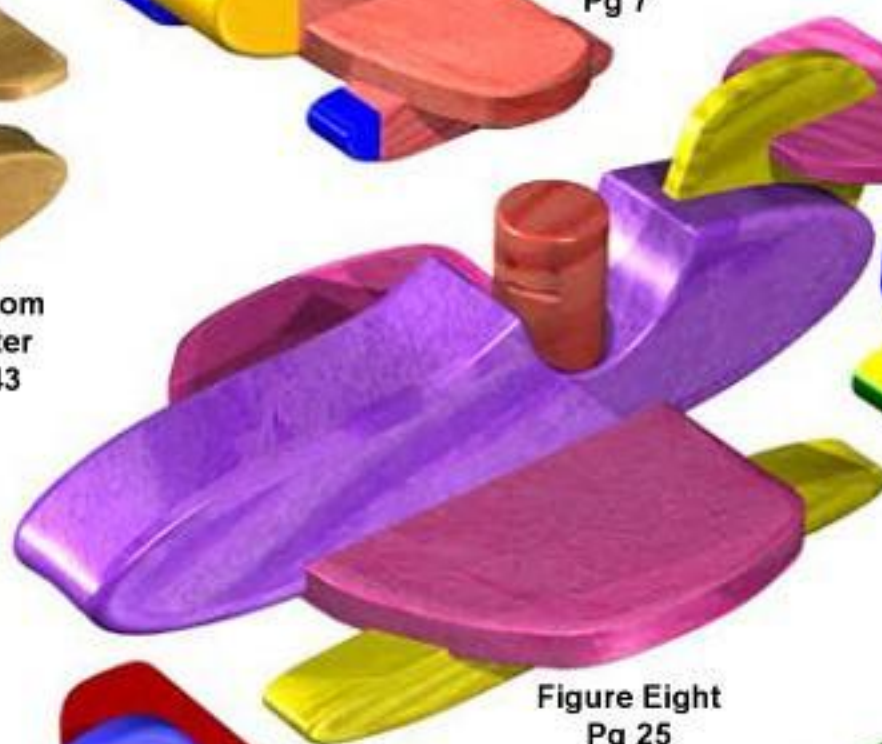
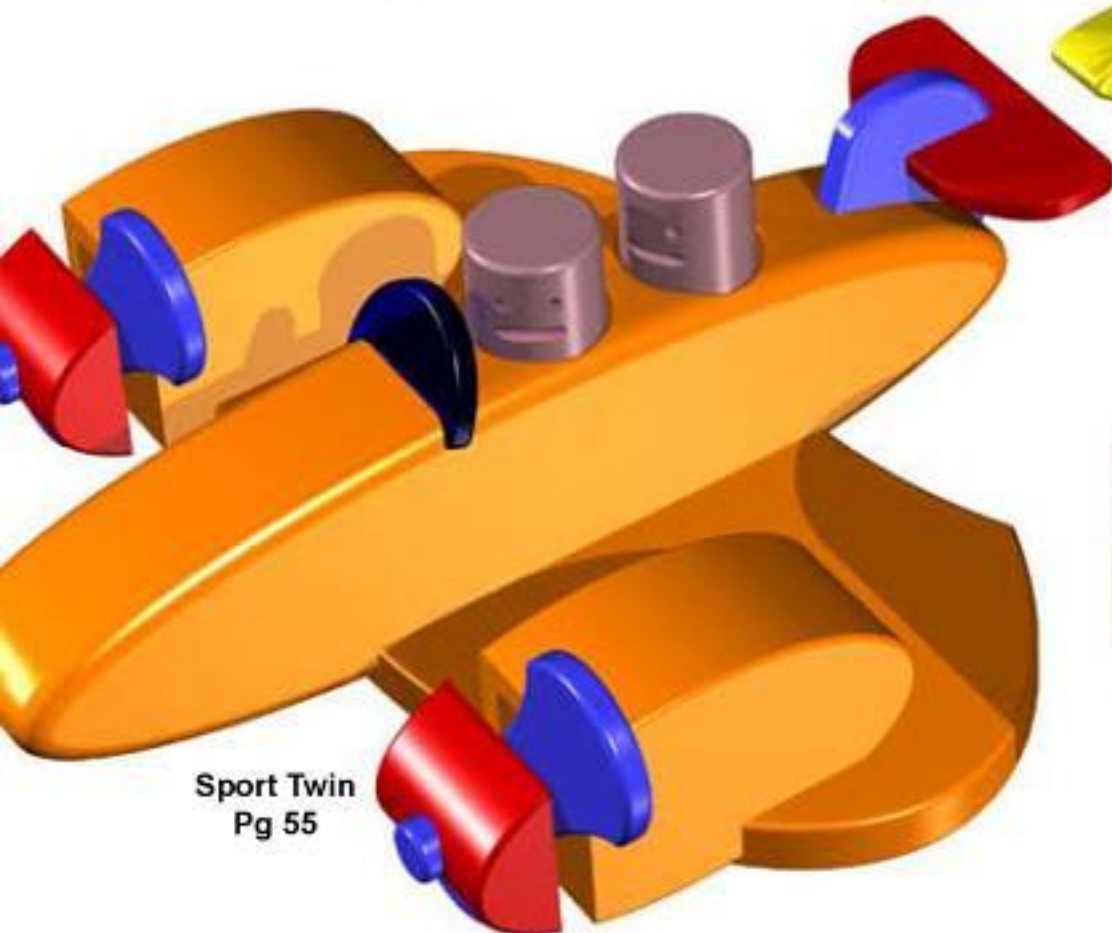


Figure Eight
Pg 25



Zipper
Pg 33



Sport Twin
Pg 55



Sky King
Pg 37

BUILD TOY AIRPLANES

10 FULL-SIZE WOOD TOY AIRPLANE PATTERNS

You'll enjoy building your own fleet of airplanes with this set of 10 exciting, original and easy to build modern designs. All you need is common lumber and dowels, basic woodworking tools, a little time and some sandpaper and you're ready to get started. You'll love the laughs and giggles from kids and adults when they see your latest creations.



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