

# OPITEC

## Hobbyfix

113.093

### Mobile Seagull / Pelican



#### Necessary tools:

Pencil ,ruler  
 Fretsaw  
 Metalwork file  
 Sand paper  
 Drill ø2 mm  
 Sellotape  
 Craft knife  
 Bradawl  
 Paints,brush

#### ***Please Note***

The OPITEC range of projects is not intended as play toys for young children. They are teaching aids for young people learning the skills of Craft, Design and Technology. These projects should only be undertaken and tested with the guidance of a fully qualified adult. The finished projects are not suitable to give to children under 3 years old. Some parts can be swallowed. Danger of suffocation!

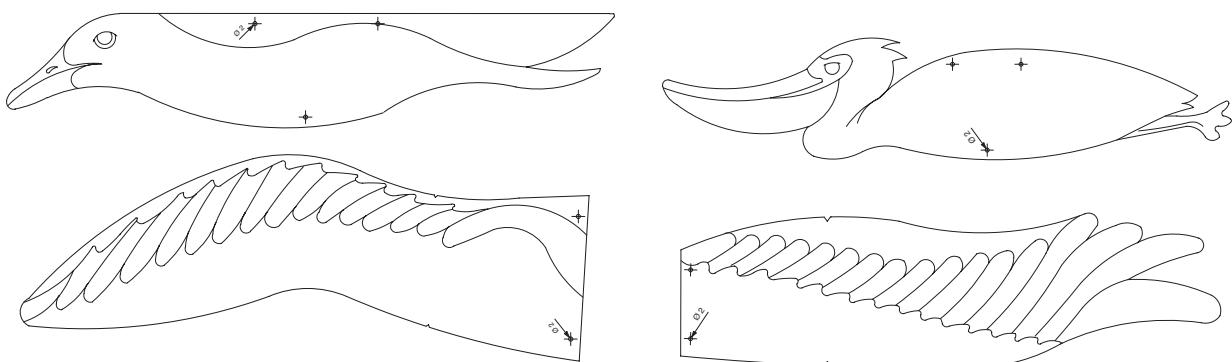
PARTS LIST				
Description				
Plywood	1	300x80x8	Body /Pelican	1
PLywood	1	300x180x5	Wings Seagull/ Pelican	2
Dowel	1	300x10/280x10	Hanger for the Seagull / Pelican	3
Thread	1	ø1	Joining	4
Wooden ball	1	ø25	Wooden ball	6

# Instructions

1. Choose the design you wish to make, or develop your own and trace it on to the plywood sheet (1), using the patterns (Page 5/6)!  
 Trace the shape of the wings on to the plywood sheet (2) using the opatterns (Page 5/7) as shown on page 3  
 Mark out the holes ( Body and wing ) with a bradawl or holemaker and drill them with a 2mm dia. drill.  
 Saw out all the parts with a Fretsaw and sand the edges.

Note:

Paint and decorate the mobile before assembly!



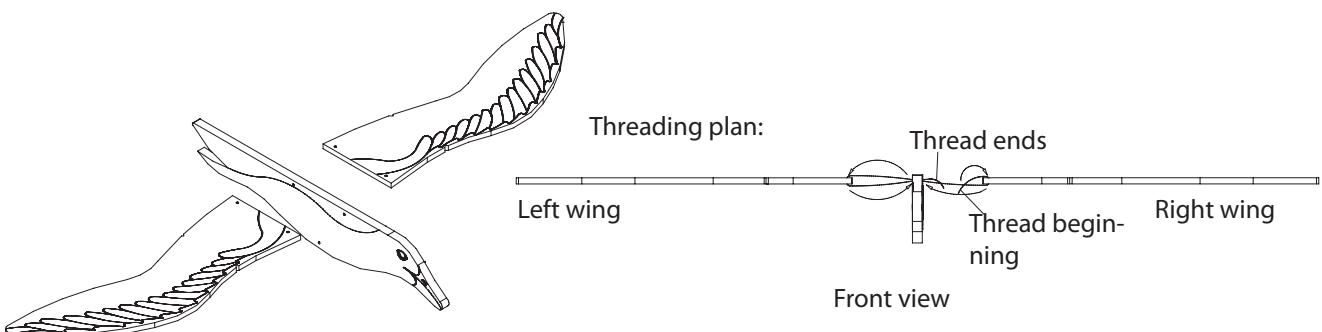
Assembly:

2. lay ou the wings as shown.

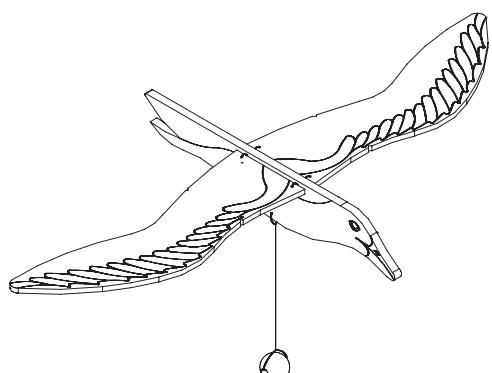
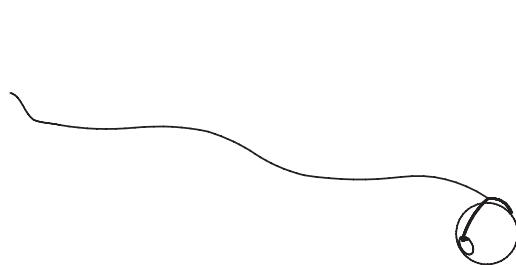
Cut two pieces each 150-200mm long from the thread.

Arrange the tread on the wings according to the diagram ( page 3). Pull it tight and tie a knot to hold it in place.

Mount the wings on the body!

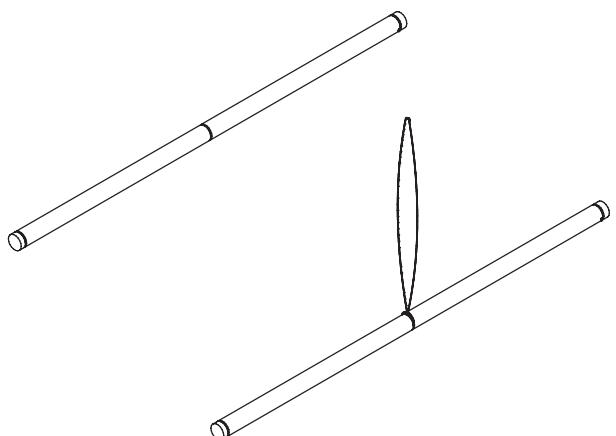
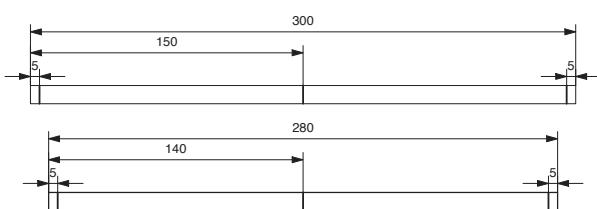


3. Cut a ca. 250mm length of thread (4) Insert the end through the hole in the wooden ball (6) and tie a knot. The other end is threaded through the body of the seagull / pelican and knotted!



# Instructions

4. Mark the middle of the dowel. Make a mark 5mm in from each end of the dowel. Cut a groove with a craft knife on these marks.



5. Cut a ca. 500mm length of thread (4) and tie it in the middle of the dowel (3) with a knot.

6. Cut two 1000mm long pieces of thread.. Knot them together at one end so that two loops are formed.

Join these loops to the wings as shown and hold them in place with sellotape.

Place the other end of the loops over the slots in the dowel

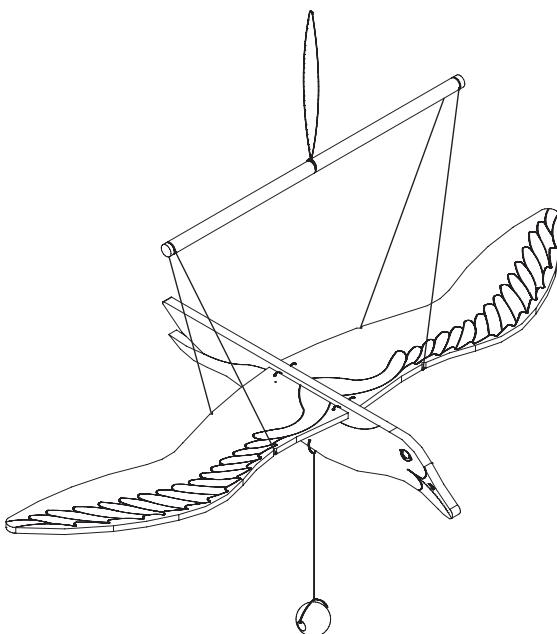
Balance your model.

To do this adjust the position of the loops around the wings ( remove tape) until it hangs straight. mark the positions and make small slots with a fretsaw or craft knife.

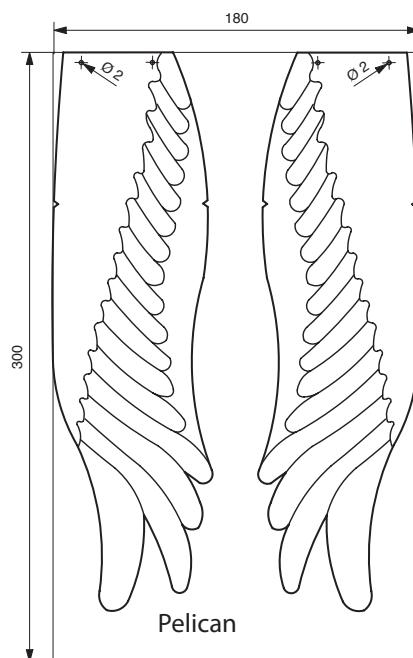
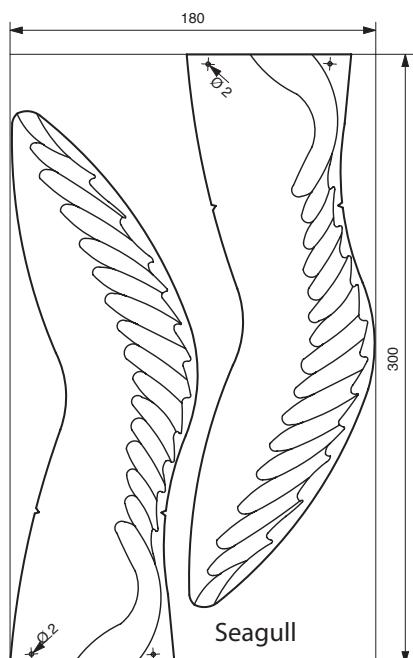
Ready!

Note:

Should the thread on the wings slip re-fasten them with a piece of tape under the wing.



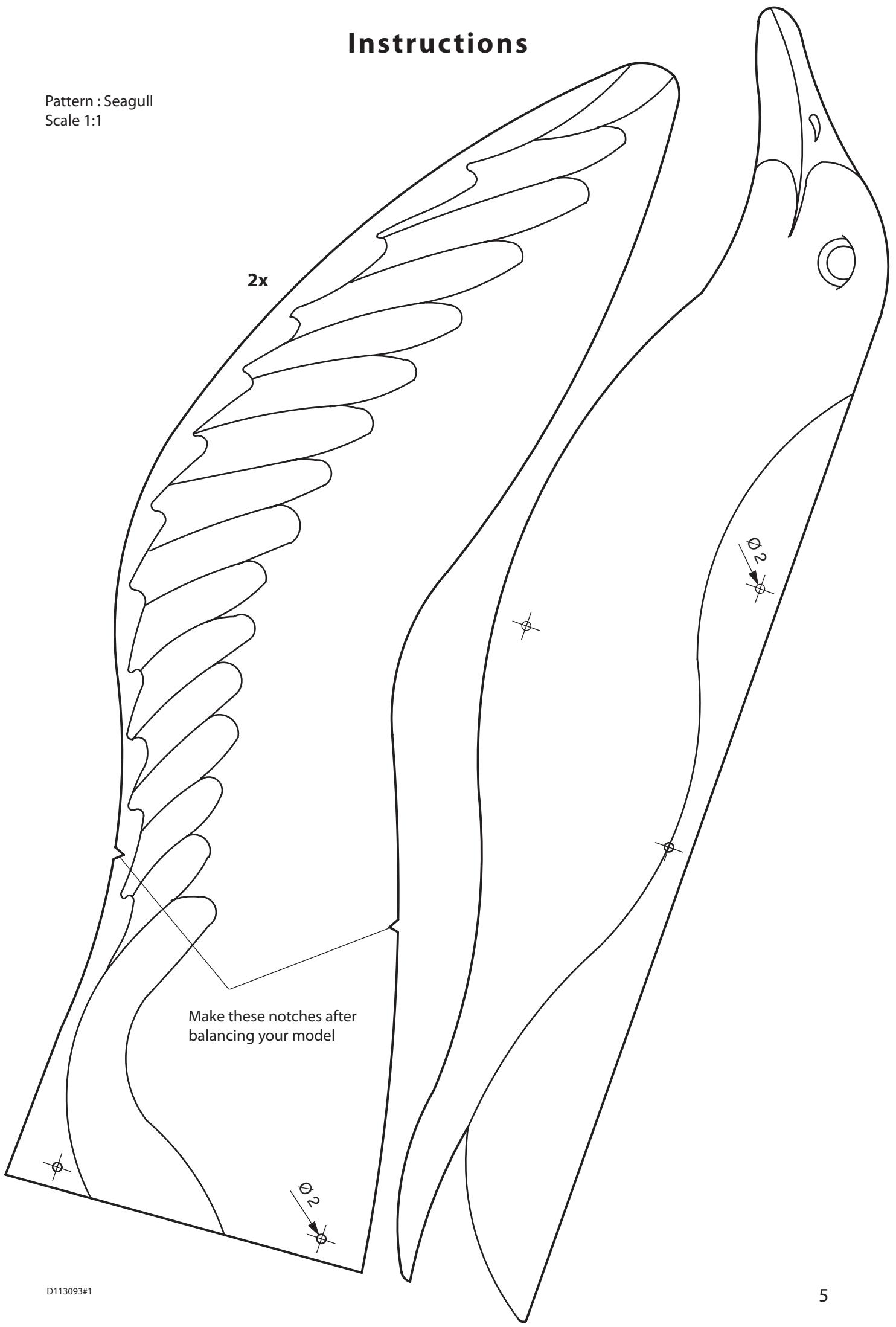
## Cutting plan for the wings: Seagull / Pelican





# Instructions

Pattern : Seagull  
Scale 1:1



# Instructions

Pattern: Pelican  
Scale 1:1

