



## Primary level Activity Sheet : Leonardo's Structures

Look at Leonardo's inventions on display. These were all designed by Leonardo between the age of 26 and 60. Most of his designs were not constructed during his lifetime; this exhibition brings them to life.

- 1a. Go to where Leonardo's manuscripts are. These are the books made up of Leonardo's sketches.
- 1b. Do you see any drawings of natural things? What do you find?
2. Why did Leonardo make sketches of natural things?
3. Do any of his drawings show ideas for structures?  
Which ones do you find?
4. Do you see any examples of frame structures?  
Make a list.
5. Do you see any examples of web structures?  
Make a list.
6. Do you see any examples of shell structures?  
Make a list.
7. Go to the **Hydraulics** and **Mechanical** areas of Leonardo's machines.

Choose a model of his inventions you can make move, with a structure that you can see.

- What is the name of the invention and what does it do?
- Draw the structure and show with arrows how it stands up.

8. Go to the **Flight** area of Leonardo's machines.

Choose an invention you like with a structure that you can see.

- Does it remind you of anything from the natural world?
- What is the name of the invention and what does it do?



1 July - 1 October 2006  
Book now at Waterfront City  
From the Museum of Leonardo da Vinci in Italy  
Information and more drawings by Leonardo  
available at the exhibition. Tickets are available  
at the Waterfront City.  
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LEONARDO  
DA VINCI  
MACHINES  
AN EXHIBITION OF GENIUS

## Leonardo Structures

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Book No. 01 / 1000000000 / 10.000  
From the Museum of Leonardo da Vinci in Italy  
Information and more details regarding the exhibition  
can be found at [www.leonardodavincimachines.com](http://www.leonardodavincimachines.com)  
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